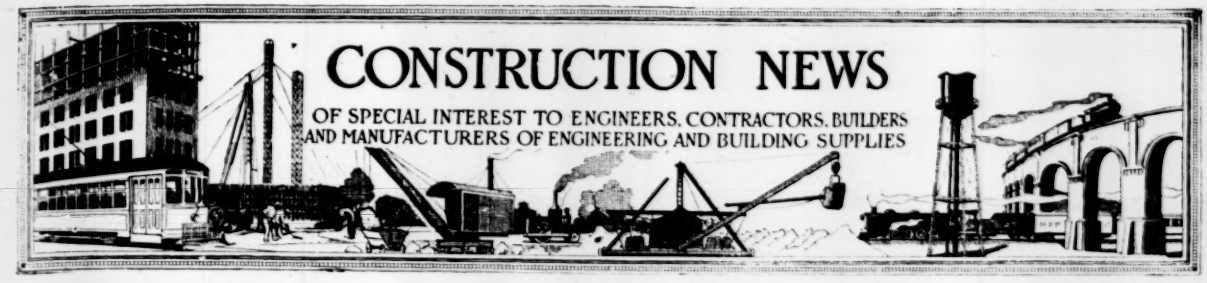
CONSTRUCTION NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
July 12	Buffalo, Minn.	July 1
July 12	Cherokee, Ia.	July 8
July 13	Albert Lea, Minn.	July 8
July 14	Maple Heights (Bedford P. O.), O.	July 8
July 15	Pipestone, Minn.	July 1
July 16	Trenton, N. J. Adv. July 8.	July 8
July 16	Cherokee, Ia.	July 8
July 19	Pleasant Ridge, Mich. Adv. July 8.	July 8
July 23	Akron, O.	June 24
July 30	Galveston, Tex. Adv. July 8.	July 8

SEWERS

July 12	Amery, Wis.	July 1
July 12	Milford, Mich.	June 24
July 13	Milwaukee, Wis.	July 8
July 14	Fairfield, Conn.	July 8
July 14	Phila., Pa.	July 8
July 14	Williamsport, Pa.	July 8
July 14	Maple Heights (Bedford P. O.), O.	July 8
July 19	Dallas, Ore.	May 27
Aug. 2	Pontiac, Mich.	July 1

BRIDGES

July 12	Chadds Ford, Pa.	June 24
July 12	Nevada	June 24
July 13	Wisconsin	July 8
July 15	Oswego, Kan.	July 8
July 15	Fond du Lac, Wis.	July 8
July 15	New York, N. Y.	July 8
July 19	Oroville, Cal.	July 8
July 20	Milledgeville, Ga.	July 8
July 21	Warrenton, Ga.	July 8
July 21	Frederica, Del. Adv. July 1 and 8.	July 1
July 22	Camilla, Ga.	July 8
July 30	Banff, Alta.	July 8

STREETS AND ROADS

July 12	Fergus Falls, Minn.	June 17
July 12	Madison, W. Va.	June 17
July 12	Auburn, N. Y.	June 24
July 12	Troy, Kan.	June 24
July 12	Baltimore, Md.	June 24
July 12	Brainerd, Minn.	July 1
July 12	Olympia, Wash.	July 1
July 12	Auburn, N. Y. Adv. July 8.	July 8
July 12	Johnstown, N. Y. Adv. July 8.	July 8
July 12	Hollidaysburg, Pa.	July 8
July 12	Baltimore, Md. Adv. July 8.	July 8
July 12	Beckley, W. Va.	July 8
July 12	Fairmont, Minn.	July 8
July 12	Alexandria, Minn.	July 8
July 12	Shorewood (Milwaukee P. O.), Wis.	July 8
July 12	Richmond, Tex.	July 8
July 12	Yonkers, N. Y.	July 8
July 13	Redwood Falls, Minn.	July 1
July 13	Ft. Scott, Kan.	June 24
July 13	Ft. Scott, Kan.	July 1
July 13	Grand Forks, N. D.	July 8
July 13	Long Prairie, Minn.	July 8
July 13	Wisconsin	July 8
July 14	Ontario	July 1
July 14	Baltimore, Md.	June 24
July 14	Tavares, Fla.	June 10
July 14	Mora, Minn.	June 24
July 14	Camden, N. J. Adv. July 8.	July 8
July 14	Winder, Ga.	July 8
July 14	Greenville, Tex.	July 8
July 14	Hillsboro, N. D.	July 8
July 14	New York, N. Y.	July 8
July 14	Brooklyn, N. Y.	July 8
July 15	Austin, Tex.	July 1
July 15	Flemington, N. J.	June 24
July 15	Lawrenceville Ga.	July 8
July 15	Marietta, Okla.	July 8
July 15	Washington, Kan.	July 8
July 15	Montreal, Que.	July 8
July 15	New York, N. Y.	July 8
July 16	Nashville, Tenn.	July 1
July 16	Charleston, W. Va.	July 1
July 16	New Mexico	June 24
July 16	Missouri	July 8
July 17	New Mexico	June 24
July 17	Berkeley Springs, W. Va.	July 8
July 19	Okeechobee, Fla. Adv. July 1 and 8.	July 1
July 19	Silver Lake, O.	July 1
July 19	St. Clairsville, O.	July 8
July 19	Toronto, O.	July 8
July 19	Cocoa, Fla.	July 8
July 20	Moundsville, W. Va.	July 1
July 20	Berkeley Springs, W. Va.	July 8
July 20	North Carolina	July 8
July 21	Springfield, Ill. Adv. July 8.	July 8
July 22	New Brunswick, N. J. Adv. July 8.	July 8
July 23	Garden City, Kan.	June 24
July 23	Missouri	July 8
July 24	Crowley, La. Adv. July 1 and 8.	July 1
July 25	Ohio	July 1
July 28	Freehold, N. J. Adv. July 8.	July 8
July 30	Davidson, Sask.	July 8
Aug. 5	Ft. Myers, Fla. Adv. July 8.	July 8

EXCAVATION AND DREDGING

July 14	Emmetsburg, Ia.	July 8
July 15	Carroll, Ia.	July 8
July 17	Belzoni Miss.	June 24
July 19	Cape Girardeau, Mo. Adv. July 8.	July 8
July 20	Rensselaer, Ind.	July 8
July 20	Mason City, Ia.	July 8
July 21	Marcy, N. Y. Adv. July 8.	July 8
July 27	Le Mars, Ia. Adv. July 8.	July 8
Aug. 4	Marengo, Ia. Adv. July 8.	July 8

INDUSTRIAL WORKS

July 10	Brooklyn, N. Y.	July 8
July 12	Butler, N. J.	July 1
July 13	Baltimore, Md.	July 8
July 14	Cleveland, O.	July 8
July 15	Cleveland O.	July 8
July 19	Brooklyn, N. Y.	July 8
July 25	Fargo, N. D.	July 8
Aug. 1	Cambridge, Mass.	July 8
Sept. 1	Hutchinson, Kan.	Feb. 19

BUILDINGS

July 10	Milltown, N. B.	July 8
July 10	New York, N. Y.	July 8
July 12	St. Paul, Minn.	July 1
July 12	Far Rockaway, N. Y.	July 8
July 13	South Milwaukee, Wis.	July 8
July 14	Washington, D. C.	July 8
July 14	Warren, O.	July 8
July 15	Montreal, Que.	July 8
July 15	Wake Forest, N. C.	July 1
July 15	Jonesboro, Ark.	May 27
July 15	Coleraine, Minn.	June 10
July 15	Wilmington, N. C.	July 1
July 15	Kalamazoo, Mich.	July 8
July 15	Brooklyn, N. Y.	July 8
July 16	Fullerton, Cal.	June 17
July 19	Montreal, Que.	July 8
July 19	Marble, Minn.	July 8
July 19	Emporia, Kan.	July 8
July 19	Ipswich, S. D.	July 8
July 20	Roselle Park (Elizabeth P. O.), N. J.	July 1
July 20	Lake Park, Minn.	July 8
July 25	Liberty Center, Ia.	June 24
July 26	Lankin, N. D.	July 8
July 30	Oakes, N. D.	July 8
Aug. 1	Jamestown, N. D.	July 8
Aug. 1	Baltimore, Md.	July 8
Aug. 2	Salina, Kan.	June 17
Aug. 2	Media, Pa.	July 8
Aug. 9	Oberon, N. D.	July 8
Aug. 16	Sioux City, Ia.	June 17

FEDERAL GOVERNMENT WORK

July 12	Additions and Repairs to Conduit, etc.—Zanesville, O.	June 24
July 12	Repairing Asphalt Pavements—Wash., D. C. Adv. June 24 to July 8.	July 1
July 12	Sheet Asphalt Pavements—Wash., D. C. Adv. June 24 to July 8.	July 1
July 12	Wharf, Bulkhead, etc.—Cape Charles, Va.	July 8
July 14	Seagoing Hopper Dredge Sabine—Galveston, Tex. Adv. June 17 to July 8.	June 17
July 14	Steel Hull Derrick Boat—Pittsburgh, Pa. Adv. July 1 and 8.	July 1
July 14	Kitchen and Commissary Equipment—Spec. 4177—Brooklyn N. Y.	July 8
July 14	Excavating Canal—Colusa, Cal.	July 8
July 14	Road Work—Idaho.	July 8
July 15	Removing Present Conduit, etc.—Cleveland, O.	July 1
July 15	Galvanized Wire, Wire Strand, Staples and Wire Rope Clips — Memphis, Tenn. Adv. June 24 to July 8.	June 17
July 15	Dredging — Wilmington, Del. Adv. June 17 to July 8.	June 17
July 15	Gate and Valve Operating Machinery — Pittsburgh, Pa. Adv. June 24 to July 8.	June 24
July 15	Portland Cement—Memphis, Tenn. Adv. July 1 and 8.	July 8
July 16	Repairing Boiler Plant — St. Louis, Mo.	July 1
July 19	Repairing Breakwater and Placing Rip Rap—Cleveland, O. Adv. July 1 and 8.	July 1
July 21	Pier—Spec. 4165—Guantanamo, Cuba Adv. July 8.	July 8
July 21	Sewers—Wash., D. C. Adv. July 8.	July 8
July 21	Railroad—Ogden, Utah. Adv. July 8.	July 8
July 24	Dredging — New York, N. Y. Adv. June 24 to July 8.	June 24
July 27	Surface Drainage System, etc.—Galveston, Tex. Adv. July 8.	July 8
July 28	Remodeling Post Office and Customhouse—Fall River, Mass. Adv. July 8.	July 8

Bids Close		See Eng. News-Record
July 28	Extending Workroom—Chattanooga, Tenn. .....July	8
July 29	Remodeling Customhouse and Post Office—Astoria, Ore...July	8
July 30	Widening and Deepening — New Orleans, La. .....July Adv. July 1 and 8.	1
July 30	Remodeling Post Office—Battle Creek, Mich. .....July	8
July 30	Superstructure — Wash., D. C. .....July Adv. July 8.	8
Aug. 11	Temporary Storehouse — Spec. 4229—Pearl Harbor, H. T. .....July Adv. July 1 and 8.	8

MISCELLANEOUS

July 12	Tractors, Elevating Graders and Dump Wagon—Wadena, Minn. .....June	17
July 12	Road Materials—New York, N. Y. .....July	8
July 12	Truck—St. George, S. I., N. Y. .....July	8
July 13	Dam—Summer Lake, Ore..July	8
July 13	Gate Boxes, Covers, etc. — Jersey City, N. J. .....July	8
July 15	Road Grader—Mott, N. D..July	8
July 15	Truck—Fond du Lac, Wis..July	8
July 15	Foundation—Ottawa, Ont..July	8
July 20	Terminal Freighthouse — New York, N. Y. .....June Adv. June 24 to July 8.	24
July 20	Conduits, etc. — Detroit, Mich. .....July	8
July 20	Breakwater — Cape Bald, N. B. .....July	8
July 23	Steam Pump — Trenton, N. J. .....July Adv. July 8.	8
July 29	Dam—Inlet, N. Y. .....July Adv. July 8	8
Aug. 7	Pier and Transit Sheds — Vancouver, B. C. .....July	1

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Marcy — State Hospital Comn., Capitol, Albany, soon receives bids building filter pump house, sedimentation basin, filter and apparatus, chlorinating and pumping apparatus, storage reservoir, dam, 3-12 in. c.i. pipe line, etc., for Utica State Hospital. About $400,000.

Mich., Buchanan—City plans to extend waterworks system, to include installation 2 new pumps. Burd & Griffels, Kelsey Bldg., Grand Rapids, engrs.

Mich., Durand — City having tentative plans prepared by R. A. Murdoch, engr., Free Press Bldg., Detroit, for improving waterworks equipment, laying water mains and building electrical driven pumping addition. About $50,000.

Ill., Newton—City plans to extend waterworks system, to include new filter plant. About $25,000. Fuller & Beard, Chemical Bldg., St. Louis, engrs.

Wis., River Falls—City having plans prepared for 150 ft. dam, 24 ft. high. About $25,000. L. P. Wolff, Guardian Life Bldg., St. Paul, Minn., engr.

Ia., Mason City—City election July 31, to vote on $300,000 bonds to improve waterworks system.

Minn., North Branch—See "Sewers."

★Ariz., Phoenix—City received no bids June 16, building infiltration intake system and installing 32 mi. 36-38 in. Redwood stave pipe line from here to a point on Verde River. Work will be done by day labor. About $400,000. Noted June 3.

Ont., Stamford—Township plans to build waterworks system, involving 5 mi. 6 in. c.i. pipe, elevated tank, pumps, etc. About $125,000. C. F. Munroe, Niagara Falls, clk.

BIDS DESIRED

N. J., Trenton—Until July 16, by Bd. Comrs., furnishing and installing new pumping equipment, consisting of centrifugal pump, motor and turbine driven generator. L. D. Hirsch, clk.; advertised in this issue. Noted June 24.

O., Maple Heights (Bedford P. O.)—Until July 14, by village, laying c.i. water mains in Pease, Maple and Granger Rds., Milo, Forest and Beech Aves., Libby and Granger Court and Elm Drive. Cost to exceed $25,000. C. G. Holtz, clk. C. W. Courtney, 509 Leader-News Bldg., Cleveland, engr.

Mich., Pleasant Ridge—Until July 19, by L. R. Kennedy, village clk., furnishing material and labor building 27,640 ft. 6-10 in. Class "B" c.i. pipe watermains; advertised in this issue.

Ia., Cherokee—Until July 12, by State Bd. Control, Des Moines, improving waterworks system at State Hospital, to include 5,000 ft. 8 in. pipe line, pump house, reservoir and pumping machinery. W. E. Buell, 229 Davidson Bldg., Sioux City, engr. Noted June 24.

Minn., Albert Lea—Until July 13, by city, building waterworks system, to include 2 motor driven centrifugal pumps with automatic controls, 2 air compressors and 2 motors with belt drive, 1 horizontal driven double suction pump, capacity 800 gal. per minute, against 50 ft. total head direct, connected to one 14 brake h.p. steam turbine. R. G. Lindgren, Albert Lea, engr. Noted June. 24.

Tex., Galveston—Until July 30, by J. D. Kelley, city secy., furnishing labor and material building concrete and steel reservoirs. H. Exall Elrod Co., Interurban Bldg., Dallas., engrs.; advertised in this issue. Noted June 17.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., Buffalo—Comrs. Pub. Wks. received bids June 29, building storm water drainage system for Scajaquada Creek, from Buffalo Dredging Co., 1104 D. S. Morgan Bldg., $1,449,000; F. L. Cohen, 1002 Prudential Bldg., $1,465,000; Eastern Concrete Steel Co., D. S. Morgan Bldg., $1,490,800. Noted June 3.

★N. Y., New York—B. S. Coler, comr. Dept. Pub. Welfare, Municipal Bldg., let contract furnishing labor and material building and completing water supply system, etc., at Seaview Hospital, also sections of new mains at Farm Colony, Richond Boro, to N. D. Stefano, 257 Glenn Ave., Tompkinsville, S. I., $85,950. Noted July 1.

★Tex., Cisco—City let contract building hollow concrete dam across Clear Fork of Brazos River, 125 ft. high, ¼ mi. long, to H. F. Friestedt, Chicago, Ill., $915,000. Work involves 90,000 ft. c.i. pipe, 37,000 cu. yd. rein.-con., 90,000 cu.yd. earth and 5,000 cu.yd. rock excav., 20,000 cu.yd. overhaul, 12,000 lb. asphalt, 50M ft. lumber, etc. Noted June 24.

★Tex., Ft. Worth — See "Industrial Works."

★Wash., Fairfield—City Council let contract building complete waterworks system, steel construction, circulating type, to Standard Asphalt & Paving Co., 517 North Lincoln St., Spokane, $43,586.

★Wash., Wenatchee — City let contract building filtration and pumping plant, 3,000,000 gal. daily capacity, to California Filter Co., Spokane. About $60,000. Noted May 20.

Sewers

PROPOSED WORK

N. Y., Marcy — State Hospital Comn., Capitol, Albany, soon receives bids constructing sewerage system, including filter beds, settling tank, 4-15 in. tile pipe, chlorinating apparatus, etc., at Utica State Hospital, here.

N. Y., S. I., St. George—C. D. Van Name, pres. Richmond Boro., received no bids July 1, building temporary sanitary sewer and appurtenances in Seaside Blvd. Work will be readvertised.

O., Canton—City plans to build sewage disposal plant and small reservoir above beds for surplus water for flushing purposes, install battery in Imhoff tanks and extend storm water sewerage system. Future proposed improvements include duplication of present plant, building twin main truck sewer and additional sludge drying beds, etc. About $100,000. A. Sarver, city engr.

O., Oakwood—City plans to build sanitary sewers in various streets. Sewer Dist. 1, Oakwood Heights, involving 30,000 ft. 6-18 in. vitr. pipe. About $100,000. H. B. Allen, 606 U B Bldg., Dayton, engr.

O., Yorkville—City Council soon receives bids building sanitary sewerage system. About $75,000. K. Rothormund, engr.

Wis., Cumberland—City having plans prepared for sanitary sewerage system and disposal plant. About $80,000. L. P. Wolff, Guardian Bldg., St. Paul, engr.

Minn., North Branch—City having plans prepared by J. F. Druar, engr., Globe Bldg., St. Paul, for 25,000 ft. of sewers, also waterworks system, including tower tank, deep well and pump. About $75,000.

Minn., Wabasso—City having plans prepared by J. F. Druar, engr., Globe Bldg., St. Paul, for sewerage system. About $45,000.

Minn., West Concord—City having preliminary surveys made by L. P. Wolff, engr., 1000 Guardian Life Bldg., St. Paul, for sanitary and storm sewage system. About $40,000.

Ore., Portland—City had plans prepared and soon receives bids building sewers in Glisan St. from 10th St. to Willamette River, cost $42,670; East 65th St. from Hassalo to Willow Sts., $1,586; East 86th St. from East Ash and East Stark Sts. $2,665; East 20th St. from Prescott to Alberta Sts., $4,896; East 17th St. from Wygant to Alberta Sts., $1,494; East 22nd St. from Killingsworth Ave. to Dekum St. $35,981; East 18th St. from Prescott to Emerson Sts., $9,578; also Killingsworth Ave. and East 17th St. Sewerage System $48,121; Ainsworth Ave. and Kerby St. Sewerage System, $39,582; Killingsworth and Vernon Aves. Sewerage System, $28,774. O. Laurgaard, city engr.

BIDS DESIRED

Conn., Fairfield—Until July 14, by S. I. Root, supt. of highways, laying 3,300 ft. 36 in. vitr. sewer pipe in Stratfield Dist.

Pa., Phila.—Until July 14, by J. C. Wagner, act. dir. Dept. Pub. Wks., building branch sewers (Schedule A); main sewers, Rock Run extension in Ontalauna and 18th Sts., 66th and 67th Aves., N., also in Ogontz Ave. (Schedule B); 12 in. c.i. pipe across Godfrey Ave., at 7th St. (Schedule C); Frankford Creek high level intercepting sewer-retaining walls along Wingohocking Creek (Schedule D). Noted July 1.

Pa., Williamsport—Until July 14, by B. C. Houck, city clk., building sewer in Seth St. from Rose Alley to point 325 ft. east, Penn St. from East Jefferson St. to Pennsylvania Canal and Boyd St. from Arch St. to alley west of Howard St., involving 2,000 ft. 10 in. vitr. pipe. About $30,000.

O., Maple Heights (Bedford P. O.)—Until July 14, by village, laying sewers and watermains and building concrete sidewalks on Clement Ave., vitr. and c.i. pipe. Cost to exceed $25,000. C. G. Holz, clk. C. W. Courtney, 509 Leader-News Bldg., Cleveland, engr.

Wis., Milwaukee—Until July 13, by Comr. Pub. Wks., furnishing material and laying sewers in Albert Pl. from Louis to Green Bay Aves., involving 2,555 ft. 8-12 in. vitr. pipe, 20 manholes, Atkinson Ave. from 15th to West 19th Sts., 3,712 ft. 8-15 in. vitr. pipe, 20 manholes, Center St. from 46th to 49th Sts., 1,181 ft. 15-24 in. vitr. pipe, 10 manholes, Center St. from 49th to 50th Sts., 380 ft. 15 in. vitr. pipe, 2 manholes, Elliott Circle from 58th to 59th Sts., 462 ft. 12 in. vitr. pipe and 2 manholes, Meinecke Ave. from 48th St. west, 208 ft. 24 in. vitr. pipe and 2 manholes, 19th St. from Atkinson Ave. south, 2,603 ft. 8-12 in. vitr. pipe, 20 manholes, 7th St. from Green Bay Ave. to Lake St., 3,750 ft. 8-21 in. vitr. pipe and 24 manholes, and Windsor Pl. from 60th St. to Elliott Circle, 181 ft. 12 in. vitr. pipe and 1 manhole. About $35,000. G. Stahl, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Boston—City received bids building sewer in (a) Market St., Brighton, (b) Public Alley 909, (c) Babcock St., from A. Cefalo, (a) $23,333, (c) $10,218; J. Tedesca, (a) $23,624, (c) $10,498; J. Barletta, (a) $25,410; T. Coughlin, (b) $11,132, (c) $11,311; W. M. Barrett Co., (b) $11,489; V. Grande, (b) $14,194.

★N. Y., Brooklyn—E. Riegelmann, boro pres., let contract furnishing labor and material repairing sewer in Greene Ave. between Lewis and Marcy Aves., to Brook

Sewers (Continued)

Jos. Alcatraz Co., 407 Hamburg Ave., $104,-226; Greene Ave. at Washington Ave., to Booth & Flynn, Ltd., 17 Battery Pl., New York City, $462,222; Bay Parkway from 81st to 82nd Sts., to Murphy Bros., $12,656. Noted June 17.

★**Tex., Ft. Worth** — See "Industrial Works."

★**Col., Ft. Morgan**—City let contract building storm sewers in various streets, to Craig-White Co., Sterling, $26,044. Noted May 20, under "Streets and Roads."

Bridges

PROPOSED WORK

N. J., Belmar — Bd. Freeholders Monmouth Co., Freehold, rejected bids building Strauss bascule bridge over Shark River, between here and Avon. About $91,000. Noted May 27.

O., Cleveland—Cuyahoga Co. election Nov. 2 to vote on $200,000 bonds to build 120 ft. concrete and steel bridge, 40 ft. wide, over Big Creek Valley. W. A. Stinchcombe, co. engr.

Wisconsin—State Highway Dept., Madison, had plans prepared for bridges in the following counties:

Barron Co., Beaver Creek Bridge, 8 x 20 ft., Dover Twp.

Bayfield Co., Pine Creek Bridge, 30 x 24 ft., Pilsen Twp.

Dane Co., Zoellner Bridge, 8 x 26 ft., Dane Twp., also Dane Co. Bridge 8 x 24 ft., Fitchburg Twp.

Iowa Co., County Line Bridge, 6 x 20 ft., Brigham Twp.

Iron Co., Shields Bridge, 10 x 20 ft., Saxon Twp.

Kenosha Co., Schreck Bridge, 8 x 24 ft., Salem Twp.

Kewaunee Co., Sipple Bridge, 8 x 24 ft., Carlton Twp.

Eau Claire Co., Stillman Bridge, 18 x 24 ft., Clear Creek Twp.

Jefferson Co., Coons Bridge, 10 x 20 ft., Hebron Twp.

Pierce Co., Bjornson Bridge, 16 x 22 ft., El Paso Twp., Meyers Bridge, 30 x 18 ft., Ellsworth Twp., also Olivet Bridge, 18 x 24 ft., Gilman Twp.

St. Croix Co., Klauser Bridge, 16 x 16 ft., Forest Twp., Church Bridge, 40 x 20 ft., Rush River Twp., Martin Bridge, 18 x 16 ft., Klowitter Bridge, 10 x 22 ft., and Hadden Bridge, 10 x 16 ft. All bridges to have rein.-con. spans and concrete abutments.

Que., St. Joseph de Beauce—Dept. Pub. Wks., Quebec, plans to build 85 ft. steel bridge, 22 ft. wide over Lac Saumon, on Beauce-Sherbrooke Rd. About $75,000. Address A. Galipeault, 115 St. Pierre St., Quebec.

Ont., Chaudiere—Dept. Pub. Wks., Ottawa, soon receives bids building steel bridge, below here. About $27,000.

Ont., Port Dover—Norfolk Co. having plans prepared by E. H. Darling, engr., Lister Bldg., Hamilton, for 120 ft. steel trunnion bascule lift bridge with 20 ft. roadway, over harbor. About $60,000.

BIDS DESIRED

N. Y., New York—Until July 15, by Park Bd., at office of Dept. Parks, Municipal Bldg., furnishing labor and material building North Island of Plaza at 5th Ave. between 59th and 60th Sts., Manhattan Boro., repaving with heavy traffic sheet asphalt on concrete foundation, center roadway of Bronx and Pelham Parkway, between Old White Plains and Boston Rds., Bronx Boro.

N. Y., New York—Until July 15, by Dept. Plants & Structures, Municipal Bldg., building Eastchester Bridge over Eastchester Creek. About 500,000. Former bids rejected. G. A. Whalen, comr. Noted July 1.

Ga., Camilla—Until July 22, by Bd. Rds. and Revenues, Mitchell Co., building 7 bridges, one 48 ft., one 144 ft., one 96 ft., one 64 ft., one 176 ft., one 96 ft., and one 32 ft. long, also 2 rein.-con. box culverts, on Dixie Highway, Federal Aid Project 95. Work involves 773.05 cu.yd. Class "A" and 707.66 cu.yd. Class "B" concrete, 129,692 lb. reinforcing steel, 1,350 cu.yd. wet and dry excav., and 1,300 sq.yd. Kentucky Rock Asphalt surfacing.

Ga., Milledgeville—Until July 20, by Bd. Comrs. Rds. and Revenues Baldwin Co., building 240 ft. bridge over Town Creek, 18 ft. wide on Milledgeville-Sandersville Rd. 12 mi. from here. Work involves 338.29 cu.yd. Class "A," and 96 cu.yd. Class "B" concrete, 45,088 lb. reinforcing steel, 1,188 lin.ft. concrete piles, 150 cu.yd. dry and 50 cu.yd wet excav. Alternate bid, 365.49 cu.yd. Class "A" and 204.24 cu.yd Class "B" concrete, 59,930 lb. reinforcing steel, 2,805 lin.ft. wood piles, 365 cu.yd. dry and 250 cu.yd. wet excav.

Ga., Warrenton—Until July 21, by Comrs. Rds. and Revenues, Warren Co., raising one 60 ft. span steel truss over Golden Creek, also building one 80 ft. bridge over Rocky Comfort Creek, one 20 ft. over Long Branch, one 40 ft. over Short Creek and one 20 ft. over Fowlers Branch. Work involves 222.07 cu.yd. Class "A" and 202.09 cu.yd. Class "B" concrete, 41,258 lb. reinforcing steel, 765 lin.ft. wood pile, 85 cu.yd. wet and 300 cu.yd. dry excav. Alternate bids will be received with the provision that State Highway Dept. is to furnish cement.

Wisconsin—Until July 13, by State Highway Dept., Madison, building 70 ft. span steel truss bridge at Sta. 81-18, on Benton-Shullsburg Rd., Federal Aid Project 137, Lafayette Co. Work involves 248 cu.yd. Class "B" and 26 cu.yd. Class "E" concrete 44,720 lb. structural steel, etc.

Wis., Fond du Lac—Until July 15, by A. Hunter, city clk., building 60 ft. steel plate girder bridge, on Western Ave. R. Petters, city engr.

Kan., Oswego—Until July 15, by Bd. Comrs. Labette Co., building 8 low water and 7 flat top bridges, involving 64,560 lb. reinforcing steel, 624 cu.yd. Class "A," 26 cu.yd. Class "B" and 414 cu.yd. Class "C" concrete. W. J. King, Oswego, engr.

Cal., Oroville — Until July 19, by State Highway Comn., 515 Forum Bldg., Sacramento, building substructure and rein.-con. approach spans to bridge across Feather River, near here, involving 1,850 cu.yd. mass of pier bases, including crib, caissons or cofferdam, 1,880 cu.yd. Class "C" and 470 cu.yd. Class "A" Portland cement concrete. Commission to furnish reinforcing steel, floor joint plates and Portland cement. A. B. Fletcher, state highway engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

New Jersey—State Highway Comn., Trenton, received bids June 28, building (a) Bridge C, and (b) Bridge D, on State Highway Route 2, Roebling-Bordentown Sect., Burlington Co., from Empire Eng. Co., 2218 Chestnut St., Phila., (a) $63,664, (b) $18,-482; East Jersey Bridge Co., 175 Smith St., Perth Amboy, (a) $54,281, (b) $22,550; H. W. Schrimpf, Lewis St., Perth Amboy, (a) $58,028, (b) $29,822; Selbach-Meyer Co., West New York, (a) $54,999. Noted June 10.

Wis., Beloit—City received bid June 28, building 249 ft. rein.-con. bridge, 66 ft. wide, on Central St., from Stein Constr. Co., 204 Grand Ave., Milwaukee $82,500. Noted June 24.

★**Ark., Mena**—Comrs. Polk Co. let contract building bridges and abutments, in Rd. Impvt. Dists. 2 and 3, to Maxwell Constr. Co., Columbus, Kan. About $122,-000. Noted May 20.

★**New Mexico** — State Highway Dept., Capitol Bldg., Santa Fe, let contract building Logan Bridge, 734 ft. long, with 420 ft. steel arch span, over Canadian River, New Mexico, Federal Aid Project 39, Quay Co., to Midland Bridge Co., 504 Ry. Exch., Kansas City, Mo. Noted May 13.

★**Arizona**—State Highway Dept., Phoenix, let contract building bridges and culverts on 18.047 mi. Sects. A and B, Globe-Geronimo Highway, between Globe and Rice, Gila Co., to A. W. Daniels, Box 996, Globe, $19,177, involving 3,360 cu.yd. unclassified excav. for structures at $1 per cu.yd., 60 cu.yd. backfill for culvert and pipe, $.70, 130 cu.yd. ditching and channel change, $1, 636 cu.yd. selected gravel for type B fords, $3.50, 435 cu.yd. Class "A" concrete $16, 273 cu.yd. Class "C" concrete $9, 45 lin.ft. double pipe railing, $1.

Streets and Roads

PROPOSED WORK

Mass., Boston—Pub. Wks. Dept. soon lets contract building 30,000 lin.ft. straight granite edgestone curb. Private plans.

N. J., Flemington—Bd. Freeholders Hunterdon Co. plans to pave 3 mi. road from Stockton to Sergeantville. G. Davis, White House Station, engr.

N. J., Hoboken—Blvd. Comn. Hudson Co. (Jersey City) soon receives bids improving portion Park Ave., here. About $50,000. Noted April 15.

N. J., Jersey City—City having plans prepared for widening Bergen Ave. from Sip Ave. to Bergen Sq. Cost to exceed $116,500. F. A. Dolan, clk.

N. J., Jersey City—City having plans prepared for repaving West Side Ave. from Montgomery St. to Communipaw Ave., granite block. About $100,000. C. Van Keuren, city engr.

N. J., Secaucus (Weehawken P. O.)—Town having plans prepared and soon receives bids improving Front St. Cost to exceed $50,000.

Pa., Clearfield—Clearfield Co. voted $1,-000,000 bonds to build roads. L. C. Norris, clk.

Pa., Clearfield—Comrs. Clearfield Co. (Clearfield) and Blair Co. (Hollidaysburg) soon receive bids building 5 mi. Janesville Pike, 18 ft. wide, 4 mi. in Clearfield Co. and 1 mi. in Blair Co., stone and concrete. About $50,000. D. A. McCloskey, Court House, Hollidaysburg, and E. W. Hess, Kratzer Bldg., Clearfield, engrs.

Pa., Ebensburg—H. T. Jones, controller Cambria Co., soon receives bids building Menoher Highway from Roxbury Ave. to Southmont, Johnstown, involving 7,043 ft. concrete or brick. Cost between $160,000 and $175,000.

Va., Danville—City plans to expend $150,-000 to pave roads. C. L. Scott, Jr., engr. for Chamber Commerce.

W. Va., Charleston—City plans to pave, repave or resurface Jackson St. from Thompson St. to end of present paving; East Ave. from Washington to Kanawha Sts.; Oney St. from Kanawha to Quarrier Sts.; Quarrier St. from California to Michigan Aves.; Virginia St. from Reynolds St. to Elk River Bridge; Alderson St. from Kanawha to Virginia Sts.; Monongalia St. from Pennsylvania to Tennessee Aves., Birch St. from Bigley to Indiana Aves.; Beuhring Ave. from Wyoming to Virginia Sts.; Darst St. from McClung St. to end of street; Duffy St. from McClung to Darst Sts.; alley west of Ruffner Ave. from Quarrier St. south to an alley; Reynolds St. from Lovell St. to end of curb; North Rand St. from Court to Summers Sts.; 6th St. from Hunt to Florida Sts.; California Ave. from Quarrier to Kanawha Sts.; alley west from Ruffner Ave. from Quarrier St. north to an alley. F. A. McGrew, clk.

W. Va., Madison—Boone Co. soon receives bids grading 3.08 mi. Kancoline-Racine Rd. About $65,000. J. P. Blundon, co. engr.

W. Va., Ripley — Jackson Co. election July 17, to vote on $90,000 bonds to surface roads in Union Dist.

S. C., St. George—Dorchester Co. having surveys made for building roads. Bonds for $320,000 sold for project. I. S. Hulto, chn.

O., Boonville—Comrs. Warrick Co. received no bids June 8, building 2½ mi. Lincoln Ave. Rd., broken rock, Ohio Twp. Noted June 3.

Mich., Allegan—Bd. Comrs. Allegan Co. soon receives bids building 4 mi. Covert Act. Rd., west of Wayland, also 4½ mi. west of Bradley, 12 ft. gravel. L. F. Levin, co. engr.

Mich., Detroit—City having plans and specifications prepared for grading, shaping and paving with sheet asphalt on 6 or 8 in. concrete base, Berea, Medina, etc., curbstone, Burnett St. from Grand River to Plymouth Aves.; Colfax Ave. from Tireman to Dailey Aves.; Cavalry Ave. from Jefferson Ave. to Fort St.; Concord Ave. from Lambert to Harper Aves.; Collingwood Ave. from Linwood Ave. to Dexter Blvd.; Chalmers Ave. from Charlevoix to Mack Aves.; Conger Ave. from Baldwin to Maxwell Aves.; Clairmount Ave. from Wildemere Ave. to Dexter Blvd.; Dexter Blvd. from Lawrence to Collingwood Aves.; Elmhurst Ave. from Oakman Blvd. to Linwood Ave.; Gray Ave. from Kercheval to Charlevoix Aves.; Galster Ave. from Garfield to Forest Aves.; Harvey Ave. from Junction to Campbell Aves.; Heck Pl. from Garfield to Hancock Aves.; Holcomb Ave. from Harper to Peter Hunt Aves.; Hazelwood Ave. from Dexter Blvd. to Quincy Ave.; Ironwood Ave. from Begole to Tireman Aves.; Inglis Ave. from Scotten St. to point 368 ft. east; Joy Rd. from Linwood to Grand River Aves.; Kanter Ave. from Elmwood St. to East Grand Blvd.; Linwood Ave. from Lawrence to Collingwood Aves.; Lawrence Ave. from Linwood Ave. to Dexter Blvd.; Leland Ave. from Riopelle to Orleans Sts.; Lane Ave. from alley west of Central to Green Aves.; Lycaste Ave. from point 100 ft. south of Detroit Terminal R.R. to southerly termi-

Streets and Roads (Continued)

nus; Lane Ave. from Lawndale to Elsmere Aves.; Marlborough Ave. from Kercheval to Waterloo Aves., Milford Ave from Vinewood to Beechwood Aves.; Oakdale Ave. from Mandel to Woodmere Aves.; Parkhurst Ave. from Woodward Ave. to John R. St.; Pasadena Ave. from 12th St. to Livernois Ave.; Philadelphia Ave. from La Salle to Linwood Aves.; St. Thomas Ave. from Townsend to Centerline Aves.; St. John Ave. from Martin to Central Aves.; Stair Ave. from Ferndale to Dix Aves.; Townsend St. from Harper to Miller Aves.; 28th St. from Milford Ave. to Moore Pl.; Underwood St. from Grand River to Southfield Aves.; Warren Ave. from Sheridan to Iroquois Aves.; Whitewood Ave. from Begole to Tireman Aves.; Witt Ave. from Michigan Central R.R. to Springwells St. C. W. Hubbell, city engr.

Wisconsin—State Highway Dept., at div. office, Rhinelander, rejected bids building Antigo-Merrill Rd., Federal Aid Project 166. Langlade Co. Work involves 29,726 cu.yd. earth excav., 223.24 cu.yd. concrete in culverts, 46.45 acres clearing and grubbing, etc. About $76,029.

Minn., Bemidji—Beltrami Co. rejected bids June 7, grading and graveling 6 mi. Federal Aid Project 143, Job 1912, State Route 6; 6 mi. Federal Aid Project 57, Job 1901, Div. D; 12 mi. Federal Aid Project 162, Job 1910; 11 mi. County Job 1909; 10 mi. Federal Aid Project 136, Divisions A and B, all 24 ft. wide. S. D. Snyder, Bemidji, engr. Noted May 6.

Minn., Carlton—Carlton Co. rejected bids May 12, grading and graveling 4 mi. Federal Aid Project 123, State Route 3, 24 ft. wide. About $30,000. Project postponed. Noted Apr. 29.

Minn., Duluth—St. Louis Co. rejected bids May 12, grading 7.5 mi. Co. Jobs 2,002 and 2,003; 8.6 mi. Federal Aid Projects 180 and 182 and Co. Jobs 2,004 and 2,005; 6.8 mi Federal Aid Project 83, and Co. Job 2,006, all 24 ft. wide. R. W. Acton, Duluth, engr. Noted May 6.

Minn., Hallock—Kittson Co. rejected bids May 19, building 3 mi. State Aid Job 2,006, 24 ft. wide. About $30,000. Project abandoned. Noted May 13.

Minn., Hallock—Kittson Co. rejected bids May 19, grading and graveling 13 mi. Federal Aid Project 151, 24 ft. wide. Noted May 6.

Minn., Wadena—Wadena Co. received no bids May 25, grading and graveling 5 mi. Federal Aid Project 152, 24 ft. wide. About $35,000. E. Ward, Wadena, engr. Noted May 13.

Tex., Bastrop—Bastrop Co. having plans prepared grading, surfacing and draining 9.679 mi. Highway 20, in Rd. Dist. 4, through McDade, 14 ft. wide, involving 8.52 acres clearing and grubbing, 22,512 cu.yd. embankment borrow, 17,708 cu.yd. earth excav., 13 ton c.i. pipe, 17,656 cu.yd. gravel, 17,589 lb. reinforcing steel, 179.65 cu.yd. Class "A," 196.34 cu.yd. Class "B," and 13.83 cu.yd. 1:2:3 concrete. About $70,000. A. F. Mitchell, Cameron, engr.

Tex., Cameron—Milam Co. having plans prepared surfacing and draining 8.1 mi. Highway 44 from 1½ mi. north Rockdale to Minerva, 14 ft. wide, involving 35,500 cu.yd. embankment borrow, 17,596 cu.yd. gravel, 22,393 lb. reinforcing steel, 341.04 cu.yd. Class "A" and 425.72 cu.yd. 1:2:3 concrete. About $84,346. A. F. Mitchell, Cameron, engr.

Tex., Coleman—Coleman Co. having plans prepared grading, surfacing, draining and building steel span bridges on Highway 7 from 2.2 mi. northwest of here to Brown Co., 16 ft. wide, Federal Aid Project 194, involving 10 acres clearing and grubbing, 1,300 sq.yd. rein.-con., 92,000 cu.yd. earth and 1,800 cu.yd. rock excav., etc. About $263,833. W. E. Dickerson, Coleman, engr.

Tex., Ft. Worth—Tarrant Co. rejected bids received July 1, grading, paving and draining 5.857 mi. Highway 1 from Dallas Co. line through Arlington, 16 ft. wide. Work involves 1.17 ares clearing and grubbing, 20,084 cu.yd. earth borrow, 38,448 cu.yd. earth excav., 72,132 sq.yd. concrete pavement, 69,021 lb. reinforcing steel, 502.2 cu.yd. Class "A," 20.35 cu.yd. Class "B" and 177 cu.yd. Class "C" concrete, etc. About $309,392. R. V. Glenn, co. engr. Noted June 17.

Tex., Greenville—Hunt Co. having plans prepared grading, surfacing and draining 8.69 mi. Highway 1 from east line Rd. Dist. 1 to Hopkins Co. line, 16 ft. wide, involving 4 acres clearing and grubbing, 48,760 cu.yd. earth excav., 81,573 gal. bituminous material, 23,897 cu.yd. crushed stone, 46,580 lb. structural steel, 275 cu.yd. Class "A" and 261 cu.yd. Class "B" concrete. About $205,498. A. D. Duck, Greenville, engr.

Tex., Marshall—Harrison Co. having plans prepared grading, surfacing and draining 15.9 mi. Highway 8 from Panola Co. north, 12 ft. wide, involving 5 acres clearing and grubbing, 41,600 cu.yd. borrow, 20,870 cu.yd. earth and 130 cu.yd. loose rock excav., 4.55 mi. scarifying, 51,000 lb. reinforcing and 17,000 lb. structural steel, 480 cu.yd. Class "A," 145 cu.yd. Class "B" and 30 cu.yd. Class "C" concrete. About $112,855. G. A. Duren, Marshall, engr.

Quebec—Dept. Rds., Quebec, soon receives bids building 40 mi. waterbound macadam roads, 18 ft. wide, in Matane.

Que., Quebec—Dept. Rds. soon receives bids building roads in Gaspe and Bonaventure counties, waterbound macadam. About $1,000,000.

Ont., St. Thomas—Elgin Co. plans to expend about $180,000 for improving roads, macadam and gravel. F. Pineo, Court House, road supt.

BIDS DESIRED

N. Y., Auburn—Until July 12, by J. P. Jaeckel, city mgr., improving Grover St. from South to Osborn Sts.; advertised in this issue.

N. Y., Brooklyn—Until July 14, by E. Riegelmann, boro. pres., regulating and repaving with Grade 1 granite on concrete foundation, roadway of Atlantic Ave. from Clinton St. to Flatbush Ave. with permanent asphalt and Grade 1 granite on 6 in. concrete foundation, Bergen St. from Court to Smith Sts., West 5th St. from Sea Breeze to Surf Aves., regulating and paving with permanent asphalt on 6 in. concrete foundation, East 10th St. from Ave. O to Ave. P, Junius St. from Sutter to Blake Aves., Newport St. from Van Sinderen Ave. to Hinsdale St., 81st St. from 20th to 21st Aves.

N. Y., Johnstown—Until July 12, by G. E. Yerdon, city clk., paving 882 ft. Chase St. and 520 ft. North Melcher St., bituminous macadam, also resurfacing 2,310 ft. North and South Melcher Sts.; advertised in this issue.

N. Y., New York—Until July 14, by H. H. Curran, pres. Manhattan Boro., regulating and repaving with sheet asphalt on concrete foundation, roadway of Bway. from 14th to 17th Sts., West 36th St. from 8th to 9th Aves. 82nd St. from Ave. A to 2nd Ave. East 51st St. from 3rd to Park Aves. 12th St. from 6th to Greenwich Aves., with 3 in. asphaltic concrete on concrete foundation, West 36th St. from 8th to 9th Aves. East 51st St. from 3rd to Park Aves., East 82nd St. from Ave. A to 2nd Ave., 12th St. from 6th to Greenwich Aves., Bway. from 14th to 17th Sts., with 3 in. asphalt block on concrete foundation, East 82nd St. from Ave. A to 2nd Ave., 12th St. from 6th to Greenwich Aves., East 51st St. from 3rd to Park Aves., Bway. from 14th to 17th Sts., West 36th St. from 8th to 9th Aves. with wood block on concrete foundation, Bway. from 14th to 17th Sts.

N. Y., Yonkers—Until July 12, by Bd. Contr. & Supply, paving and improving McLean Ave. from westerly line of Tibbets Rd. to Central Park Ave., curbing on both sides of Garden St. from Nepperhan to Palisade Aves. and St. Mary's St. from Riverdale to Hawthorne Aves. L. Griffith, city engr.

N. J., Camden—Until July 14, by C. F. Wise, chn. Rd. Com., Bd. Freeholders Camden Co., improving Clements Bridge Rd., Haddon Heights and Barrington Boroughs and Centre Twp.; advertised in this issue.

N. J., Freehold—Until July 28, by Bd. Freeholders Monmouth Co., rebuilding Keyport Co. Rd. C. E. Close, clk.; advertised in this issue.

N. J., New Brunswick—Until July 22, by Bd. Freeholders Middlesex Co., improving Jamesburg-Helmetta Rd., Jamesburg Boro. and Monroe Twp. T. J. Mulvihill, clk.; advertised in this issue.

Pa., Hollidaysburg—Until July 12, by R. W. Smith, secy. Boro. Council, paving and curbing Garber St. between Pennsylvania and Union Sts., 18 ft. wide, involving 2,300 sq.yd. rein.-con. on 5 in. concrete base and 1,750 lin.ft. concrete curbing. About $30,000. J. L. Henry, Walsh Bldg., engr.

Md., Baltimore—Until July 12, by State Rds. Comm., 601 Garrett Bldg., Baltimore, paving 0.78 mi. state highway, through town of Belair, Contr. H-18A. J. N. Mackall, chn.; advertised in this issue.

W. Va., Beckley—Until July 12, by Comrs. Raleigh Co. grading and draining 5 mi. road from mouth of Spruce Creek to Artie. About $50,000. H. R. Anderson, road engr.

W. Va., Berkeley Springs—Until July 15, by Comrs. Morgan Co. hard surfacing 4 mi. Hancock-Berkeley Springs Rd., including 3,000 ft. concrete paving, 16 ft. wide. About $20,000. F. L. Hawkins, engr.

W. Va., Berkeley Springs—Until July 20, by Comrs. Morgan Co. grading (a) 6 mi. road from Paw Paw to Enon Bridge, (b) 8 mi. road from Great Cacapon to Fisher's, (c) includes (a and b) and 18 mi. road from Great Cacapon to Paw Paw. About $200,000. F. L. Hawkins, Berkeley Springs, engr.

North Carolina—Until July 20, by State Highway Dept. at Div. office, Greensboro, grading and top soiling 7.2 mi. Federal Aid Project 57, Rowan Co. About $30,000. W. S. Fallis, Raleigh, state highway engr.

Ga., Cartersville—Until July 14, by H. G. Hill, Ordinary of Barrow Co., at Winder, building 11.3 mi. Federal Aid Project (a) 28 and (b) 148, State Aid System, Route 11, involving 1.18 acres clearing and grubbing, 28,189 cu.yd. common and borrow and 1,092 cu.yd. rock excav., 17,756 cu.yd. top soil, 10,338 sta.yd. overhaul, 1,782 lin.ft. 15-24 in. drain pipe, 155.6 cu.yd. concrete in headwalls, 56.01 cu.yd. Class "A" and 5.59 cu.yd. Class "B" concrete in culverts, 4,118 lb. reinforcing steel, etc.; (b) 4.01 acres clearing and grubbing, 36,073 cu.yd. earth, 562 cu.yd. rock, and 4,850 cu.yd. borrow excav., 10,996 sta.yd. overhaul, 12,152 cu.yd. top soil, 737 lin.ft. 15-24 in. drain pipe, 61.5 cu.yd. concrete in headwalls, 22.8 cu.yd. Class "A" and 8.4 cu.yd. Class "B" concrete in culverts, 101,026 lb. reinforcing steel, 642.5 lb. Class "A" and 79.2 lb. Class "B" concrete in bridges, etc. J. W. Hawkins, 703 Walton Bldg., Atlanta, div. engr.

Ga., Lawrenceville—Until July 15, by Bd. Comrs. Rds. and Revenues, Gwinnett Co., building 14.22 mi. Federal Aid Projects (a) 117 and (b) 162, on State Aid System Route 8. Work involves (a) 2.91 acres clearing and grubbing, 31,258 cu.yd. common and 1,406 cu.yd. rock excav., 13,400 sta.yd. overhaul, 19,936 cu.yd. top soil surfacing, 194 lin.ft. 15-30 in. pipe relay, 945 lin.ft. 4-30 in. D. S. V. pipe, 84.12 cu.yd. concrete in headwalls, 276.72 cu.yd. Class "A," 16.02 cu.yd. Class "B" and 8.25 cu.yd. Class "C" concrete in culverts, 270 cu.yd. Class "A" and 192.2 cu.yd. Class "B" concrete in bridge, 64,964 lb. reinforcing steel, 1,100 lin.ft. concrete piles, etc., (b) 4.91 acres clearing and grubbing, 29,908 cu.yd. common and 1,890 cu.yd. rock excav., 11,755 sta.yd. overhaul, 1,052 lin.ft. 15-30 in. drain pipe, 64.32 cu.yd. Class "B" concrete in headwalls, 252.36 cu.yd. Class "B" and 72.5 cu.yd. Class "A" concrete in culverts, 7,184 lb. reinforcing steel, etc., also removing old bridge, involving 112.9 cu.yd. Class "A" concrete, 21,012 lb. reinforcing steel, 630 lin. ft. concrete piles, etc. J. W. Hawkins, 703 Walton Bldg., Atlanta, div. engr.

Fla., Cocoa—Until July 19, by City Council, improving various streets, involving 2,500 cu.yd. grading and 15,000 sq.yd. paving. A. L. Bruner, clk. C. M. Rogers, Daytona, engr.

Fla., Ft. Myers—Until Aug. 5, by J. W. Owens, city clk., grading and paving sections of Oak, Hendry, Monroe, and 1st Sts., cement concrete, asphaltic concrete, sheet asphalt, asphaltic block and vitr. brick. J. A. Davidson & Son, city engrs.; advertised in this issue.

O., Clairsville—Until July 19, by Comrs. Belmont Co., paving 2 mi. Flushing-Uniontown Pike, concrete, also 2 mi. Martins Ferry, vitr. brick, both 16 ft. wide. L. A. Darrah, Martins Ferry, engr.

O., Maple Heights (Bedford P. O.)—See "Sewers."

O., Toronto—Until July 19, by J. N. Shaw, clk., furnishing labor and materials for grading, curbing and paving Vollmer St. and River Ave. westwardly to 4th St., Freeman Ave. from 3rd to 4th Sts. and Cleveland St. from River Ave. to 4th St.

Illinois—Until July 21, by Dept. Pub. Wks. & Bldgs., Springfield, paving 0.81 mi. Sect. 23, Lincoln Highway, Project 1, Lee Co., 0.7 mi. Sect. M, and 1 mi. Sect. L, Dixie Highway, Project 2, Iroquois Co. Bids will also be received by cities of Ashton and Watseka, widening portion of pavement within corporate limits. F. L. Bennett, dir.; advertised in this issue.

Wisconsin—Until July 13, by State Highway Dept., Madison, paving 3.63 mi. Portage-Baraboo Rd., Federal Aid Project 177, Sauk Co., involving 12,943 cu.yd. earth, 30

Streets and Roads (Continued)

cu.yd. rock and 441 cu.yd. borrow excav., 1,263 cu.yd. Class "A" concrete, 1,200 sq.yd. concrete surfacing, 18 ft. wide, 35,400 sq.yd. feather edge gravel, 26 ft. wide, etc.

Wis., Shorewood (Milwaukee P. O.)—Until July 12, by village, paving Oakland and Maryland Aves. and 2 alleys, involving 25,002 sq.yd. concrete paving and 10,700 cu.yd. grading. About $60,000. F. Ullius, Jr., 1288 Murray Ave., engr.

Minn., Alexandria—Until July 12, by Douglas Co., grading and graveling 7 mi. Federal Aid Project 131, State Rd. 1. 24 ft. wide, involving 29,423 cu.yd. excav. and overhaul, 2,500 lin.ft. guard rail, 1,196 lin.ft. 12-24 in. sectional concrete culvert, 110 ton mi. haul of culverts, and 8,234 cu.yd. load and haul. About $50,000. A. Webster, Alexandria, engr. Noted June 24.

Minn., Fairmont—Until July 12, by Martin Co., building 4 mi. Federal Aid Project 72, State Rd. 3, involving 44,303 cu.yd. excav., 3,080 lin.ft. guard rail, 364 lin.ft. 12-30 in. port culvert; 5 mi. Federal Aid Project 71, State Rd. 1, 46,720 cu.yd. excav., 887 lin.ft. 12-24 in. port culvert; 6 mi. State Aid Job 1906, State Rd. 3, 53,257 cu.yd. excav., 2,580 lin.ft. guard rail, 73 lin.ft. 12-18 in. port culvert 8,380 cu.yd. load and haul, gravel surface material, 13.7 cu.yd. concrete in culvert. About $96,000. J. W. Mills, Fairmont, engr. Noted Mar. 11.

Minn., Long Prairie—Until July 13, by L. J. Ramstad, aud. Todd Co., building 17 mi. Federal Aid Project 99, State Rd. 1, 24 ft. wide, involving 0.7 acres clearing and grubbing, 78,990 cu.yd. excav., 75,325 cu.yd. overhaul, 1,685 lin.ft. 12-30 in. port culverts, etc. About $85,000. Noted April 29.

Kan., Washington—Until July 15, by City Council, improving 2nd, 3rd and 4th Sts., involving 7,438 cu.yd. earth excav., 12,507 lin.ft. 8 in. combined curb and gutter, 18,141 sq.yd. vitr. brick, sheet asphalt or asphaltic concrete, etc. Black & Veatch, Interstate Bldg., Kansas City, Mo., engrs.

N. D., Grand Forks—Until July 13, by Grand Forks Co., grading and draining 14 mi. road from Thompson west towards Northwood, Sect. A, Federal Aid Project 41. Work involves 43,973 cu.yd. Class A and 51,760 cu.yd. Class B excav., 20,853 cu. yd. overhaul, 1,752 lin.ft. 18 and 24 in. pipe culverts, 102.78 cu.yd. 1:2:4 and 80 cu.yd. 1:2½:5 concrete, 7,950 lb. reinforcing steel. H. Anderson, aud.

N. D., Hillsboro—Until July 14, by Traill Co., grading and draining 7.04 mi. road from Burton to north county line, Federal Aid Project 67. Work involves 2.5 acres clearing and grubbing, 2.5 acres plow and harrow sod, 38,702 Class B excav., furnishing and hauling 1,446 lin.ft. 18 and 24 in. corrugated metal pipe culverts, 62.64 cu.yd. 1:2½:5 concrete in headwalls, 53.7 cu.yd. 1:2 and 4 concrete in box culverts, 4,494 lb. reinforcing steel, etc. G. D. Olson, aud.

Missouri—Until July 16, by State Highway Dept., Jefferson City, building 8.62 mi. Dexter-Malden-Kennett Rd., 24 ft. wide, Federal Aid Project 26, Dunklin Co., involving 470 cu.yd. earth excav., 1,970 cu.yd. borrow, 44,426 lin.ft. grading, 80,972 sq.yd. Spec. "A" gravel pavement, 7.4 cu.yd. Class "B" concrete masonry, 650 lb. reinforcement for concrete masonry and 30 drainage wells complete, etc. About $118,016.

Missouri—Until July 23, by State Highway Dept., Albany, building 8.86 mi. Sect. A, Jefferson Highway, 24 ft. wide, Federal Aid Project 54, Gentry Co., involving 45,595 cu.yd. earth excav., 11,968 cu.yd. per 100 ft. overhaul, 152.14 cu.yd. Class "B" and 71.9 cu.yd. Class "C" concrete masonry, 10,589 lb. reinforcement for concrete masonry, 982 lin.ft. 12-36 in. rein.con. pipe culverts and 40 lin.ft. relaid pipe culvert, cost $49,310; 4.93 mi. Sect. B, Jefferson Highway, 16 ft. surfaced, Federal Aid Project 54, Gentry Co., 26,025 lin.ft. grading, 46,266 sq.yd. broken stone for bituminous surface on broken stone base course, 104,099 gal. bitumen for bituminous surface course, $115,725.

Tex., Greenville—Until July 14, by Permanent Rd. Bd., Hunt Co., improving 16.5 mi. Greenville-Terrell Rd. from Harlow Switch to Kaufman Co. line, involving 25 acres clearing and grubbing, 90,000 cu.yd. unclassified earth excav., 30 cu.yd. Class "A" concrete, 30,000 lb. reinforcing steel, 45,000 ton crushed stone, 18,750 sq.yd. concrete pavement, furnishing and applying 75,000 gal. bituminous material, etc.; 5.3 mi. Greenville-McKinney Rd. from point 6 mi. west of here to Collin Co. line, 5 acres clearing and grubbing, 30,000 cu.yd. unclassified earth excav., 90 cu.yd. Class "A" concrete, 9,000 lb. reinforcing steel, 5,000 sq.yd. concrete pavement, furnishing and applying 27,000 gal. bituminous material, etc. A. D. Duck, Levy Bldg., engr.

Tex., Richmond—Until July 12, by C. H. Chernoskey, judge Ft. Bend Co., grading, surfacing and draining 13 mi. Highway 35 from Rosenberg to Austin Co. line, 14 ft. wide, involving 14,975 cu.yd. earth borrow, 105,894 cu.yd. unclassified earth excav., 71,000 gal. asphalt, 3,000 cu.yd. cover material, 29,535 lb. reinforcing steel, 29,758 cu.yd. gravel, 350.5 cu.yd. Class "A" and 323.68 cu.yd. Class "B" concrete. About $250,126. Gurley & Gurley, Union Natl. Bank Bldg., Houston, engrs. Noted June 24.

Okla., Marietta—Until July 15, by T. M. Randolph, city clk., improving West 2nd, 3rd and 4th Aves., involving 22,360 sq.yd. paving, 16,400 lin.ft. gutter, 16,210 lin.ft. curb, etc. H. E. Elrod Co., 220 Interurban Bldg., Dallas, engrs.

Sask., Davidson—Until July 30, by city, building 40,000 sq.ft. concrete walks on various streets. About $25,000. A. J. Robertson, clk.

Que., Montreal—Until July 15, by city, building 2½ mi. sidewalks on St. Catherine St. from St. Lawrence to Atwater Sts. About $145,965. A. E. Doncet, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Chicopee**—City let contract building new road on Front St. from Wheatland Ave. to new high school, to Adams & Ruxton Constr. Co., 33 Lyman St., Springfield. About $62,000.

★**Mass., West Roxbury** (Boston P. O.)—City let contract paving track area and space between tracks on Washington St. between Archdale Rd. and south side Corinth St., to Boston Elevated Ry Co., 101 Milk St., Boston. About $26,000.

★**Connecticut**—State Highway Comm., Hartford, let contract paving 1 mi. 3 in. bituminous macadam highway, Wethersfield and Rocky Hill Twps., to Lane Constr. Co., 37 Colony St., Meriden. About $28,000.

New York—F. S. Greene, state highway comr., Capitol, Albany, received bids July 2, improving Rd. 5103, Columbia Co., from Belmar Contg. Co., Inc., Troy, $63,912. Rosoff Eng. Co., 15 Park Row, New York City, $63,965. Kennedy Contg. Co., Albany, $64,554; Rd. 5198, Greene Co., from D. Schoentag, Saugerties, $103,374; Rd. 16, Ulster Co., from Armstrong & Trowbridge, Napanoch, $95,226. T. J. Martin, Beacon, $98,921; Rds. 691, 692 and 5055, Warren Co., from W. L. Lawton, Glens Falls, $70,598; Rds. 937 and 1020, Lewis Co., from W. J. Semper, Watertown, $79,099. I. L. Smith & Son, Lyons Falls, $79,959. Dale Eng. Co. Inc., Mann Bldg., Utica, $80,499; completing Rds. 110 and 247, Fulton Co., from M. Vroman, Gloversville, $13,680. R. Wemple, Fultonville, $14,007. Noted June 24.

★**N. Y., Brooklyn**—E. Riegelmann, boro. pres., let contract repaving Neptune Ave., Ash and Coffey Sts., to C. Gallagher, $30,818, $12,722 and $9,446 respectively; fencing lots southwest side Visitation Pl., etc., to O. Metz, 119 Palmetto St., $1,013; regulating and repaving Bedford Ave., to Consolidated Asphalt Paving Co., 52 9th St., $97,895. Noted June 17.

N. Y., Brooklyn—E. Riegelmann, boro. pres., received bids June 30, regulating, recurbing and paving (a) Benson Ave., (b) regulating and paving East 15th St., (c) 49th St., (d) 12th Ave., (e) 65th St., (f) Maspeth Ave., (g) regulating, grading and curbing Carrol St., from Uvalde Asphalt Paving Co., 1 Bway., New York City, (a) $18,354, (c) $14,372, (d) $16,543, (e) $10,152; Consolidated Asphalt Paving Co., 52 9th St., (a) $18,816, (c) $14,724, (d) $17,005, (e) $10,428; Brooklyn Alcatraz Asphalt Co., 407 Hamburg Ave., (a) $19,109, (c) $15,005, (d) $17,227, (e) $10,553; C. A. Myers, Stagg St., (b) $11,408, (f) $27,808; Grieco Bros., 172 Russell St., (f) $26,235, Scanlon Bros., (f) $26,903; Rosenthal Eng. Constr. Co., Inc., Rutland Rd., (f) $27,462; Castle Bros., Johnson Pl., (g) $15,740; Connors Bros., Albany Ave., (g) $18,743; P. T. McDermott, 1805 Carroll St., (g) $21,069. Noted June 24.

★**N. Y., College Point** (Flushing P. O.)—M. E. Connolly, pres. Queens Boro., Long Island City, let contract to H. J. Mullen Co., Fulton St., Jamaica, repaving 3rd Ave., cost $86,150, 5th Ave., $31,330, 7th Ave. from 18th St. to Flushing Line $49,965; to Uvalde Asphalt Paving Co. 1 Bway., New York City, 7th Ave. from 13th to 16th Sts., $22,525, Grandview Ave., $43,050; to Cleveland Trinidad Paving Co., Flushing, Grand Ave., $23,198; to Kennedy & Smith, Steinway Ave., $249,888; to A. Hess, Boulevard, $236; to C. Kurth, 917 Forest Ave., Ridgewood, 223rd St., $1,678. Noted June 24.

★**N. Y., Olean**—S. M. Gaylor, comr. Bd. Pub. Wks., let contract paving Front, School and 5th Aves., to Forness & Foot, $106,776. Noted June 3.

N. Y., St. I., St. George—C. D. Van Name, pres. Richmond Boro., received bids repaving Rockland Ave. from point 1,100 ft. west to Manor Rd., and Richmond Rd. from Rockland Ave. to Amboy Rd., from C. Vanderbilt, 24 Elizabeth St., West New Brighton, $32,732 and $17,790 respectively; J. Johnson Sons, West New Brighton, $33,078 and $17,724 respectively; J. E. Donovan, Richmond Terrace, Port Richmond, $33,255 and $17,870 respectively. Noted June 24.

★**N. Y., S. I., St. George**—C. D. Van Name, pres. Richmond Boro., let contract repaving Rockland Ave., to J. Johnson Sons, West New Brighton, $40,334. Noted July 1.

New Jersey—State Highway Comm., Trenton, received bids June 28, grading and paving State Highway Route 3, Ancor-Atco Sect., Camden Co., involving 52,196 sq.yd. concrete, 15,349 cu.yd. earth excav., etc., from E. R. Mixner, Goshen, $405,719; J. M. Kelly Constr. Co., 506 Federal St., Camden, $482,546.

★**N. J., Belvidere**—Bd. Freeholders Warren Co. let contract building Sect. 2, Washington-Buttzville Rd., to Salmon Bros., Netcong, $135,294. Noted June 10.

N. J., Secaucus (Weehawken P. O.)—Town received bid improving Center St. from Hudson Contg. Co., 101 South St. About $185,000; cost plus percentage basis.

Pa., Pittsburgh—City received bids June 21, improving (a) Ferry St., involving (1) 9,269 cu.yd. grading, (2) 5,670 sq.yd. sheet asphalt on 8 in. concrete foundation, (3) 636 sq.yd. vitr. brick pavement, Type 2, on 8 in. concrete foundation, (4) 612 lin.ft. Type 1 protected concrete curbing, (5) 10,400 sq.ft. Type 1 concrete sidewalks, (6) 375 lin.ft. 9 in. terra cotta pipe house lateral connections, (7) 305 lin.ft. 18 in. terra cotta pipe sewer, etc., (8) 5M ft. hemlock lumber in place; (b) Diamond St., (1) 1,422 cu.yd. grading, (2) 925 sq.yd. sheet asphalt on 8 in. concrete foundation, (3) 215 sq.yd. vitr. brick pavement, Type 2, on 8 in. concrete foundation, (4) 535 lin.ft. Type 1 protected concrete curbing, (5) 6,800 sq.ft. Type 1 concrete sidewalks, (6) 5M ft. hemlock lumber in place, etc., from J. H. McQuade & Sons Co., Rakewell Bldg., (a1) $1.25 per cu.yd., (a2) $5.16, (a3) $4.90, (a4) $1.50, (a5) $0.50, (a6) $3.50, (a7) $4.50, (a8) $100, total, $59,061; Booth & Flinn, Ltd., 1942 Forbes St., (a1) $2, (a2) $5, (a3) $5, (a4) $1.30, (a5) $0.30, (a6) $2, (a7) $5, (a8) $125, $62,495, (b1) $2.50, (b2) $5.75, (b3) $5.75, (b4) $1.30, (b5) $0.30, (b6) $125, $16,002; M. O'Herron Co., South 1st St., (a1) $2, (a2) $4.75, (a3) $4.50, (a4) $1.15, (a5) $0.40, (a6) $4, (a7) $5, (a8) $75, $62,790, (b1) $2, (b2) $5.15, (b3) $5.50, (b4) $1.50 (b5) $0.50, (b6) $75, $16,752; T. Cronin Co., South 15th St., (b1) $3, (b2) $4.70, (b3) $5, (b4) $1.50, (b5) $0.30, (b6) $150, $16,753.

★**Pa., Pittsburgh**—City let contract improving 2nd Ave., to Booth & Flinn, Ltd., 1942 Forbes St., $148,226; Whipple St., to M. O'Herron Co., South 1st and McKean Sts., $44,383. Noted July 1.

★**Md. Baltimore**—Bd. Awards let contract oiling and resurfacing old roads in city's new annex, to Pennsylvania Eng. Co., 1119-21 North Howard St., Phila., $90,400.

★**W. Va., Wheeling**—Ohio Co. let contract paving 2,000 ft. National Rd. from Fulton to Glenwood, to Rosser & Maloney, Bellaire, O., $50,886. Noted Feb. 19.

North Carolina—State Highway Comm., at Div. office, Greensboro, received bids top soiling 16.6 mi. Federal Aid Project 80 A, Montgomery Co., from J. T. Plott, Greensboro, $148,384. J. A. Kries & Co., Knoxville, Tenn., $189,556, C. E. Teague, Columbus, Ga. $211,485; 12 mi. Federal Aid Project 111, from C. B. Hester, Greensboro, $61,896. Jamison Bros., Rocky Mt., $74,505. Noted June 17.

★**Kentucky** — State Highway Comm., Frankfort let contract grading and paving 19 mi. 18th St. Rd., Montgomery Co., Ken-

Streets and Roads (Continued)

tucky rock asphalt, to J. H. Cahill, 1540 South 9th St., Louisville, $530,029; 6 mi. macadam road, Jessamine Co., to Higgins Constr. Co., Richmond, $112,858.

★**O., Cleveland**—City let contract grading, curbing, draining and paving East 21st St. from St. Clair to Payne Aves., to Burnett & Hathaway, c/o Paver's Exch., $44,997. Noted July 1.

O., Cleveland—City received bids June 24, paving West 85th, West 74th, West 65th, West 61st, West 41st Sts. and intersecting streets at New York, Chicago & St. Louis R.R. grade elimination, from Roehl Bros., West 25th St. and Clark Ave., $166,887; Rieley Bros., The Arcade, $167,262; Burnett & Hathaway, Society for Savings Bldg., $170,985. Noted June 17.

★**Michigan**—State Highway Comn., Lansing, let contracts to A. J. Smith Constr. Co., 110 West Fort St., Detroit, grading, draining and surfacing 1.7 mi. State Trunk Line Rd. 27-11, 1.527 mi. State Trunk Line Rd. 27-1 and 2.775 mi. State Trunk Line Rd. 27-3, $77,254, $69,969 and $104,332 respectively. Noted May 27.

★**Mich., Detroit**—City let contracts to Detroit Asphalt Paving Co., 20 McGraw Bldg., grading, shaping and paving with sheet asphalt on 8 in. concrete foundation, Linden St. from Harrison St. to 1st alley west, $2,264, McArthur Pl. from McKinley to Vinewood Sts., $8,038, Mackie St. from Green to Solvay Sts., $10,715, Rowan Ave. from Beard to Green Sts., $12,700, St. Thomas Ave. from Centerline to Townsend Aves., $9,870, Townsend Ave. from Harper St. to Miller Rd., $24,231; W. B. Brady Constr. Co., 2940 Woodward Ave., Carter Ave. from Linwood Ave. to Dexter Blvd., $49,502, Radford Ave. from Grand River Ave. to Quincy St., $38,996; Cleveland Trinidad Paving Co., 1972 Grand River Ave., Burlingame Ave. from 12th St. to City Park, $25,130, Parkhurst Ave. from Woodward Ave. to John R. St., $16,278; R. J. Powelson & Co., 1577 Iroquois Ave., Alley 1,162 between 12th, Wilson, Longfellow Aves. and Chicago Blvd., $7,446, 1,167 between 12th, Wilson, Edison and Longfellow Aves., $7,301; T. E. Currie, 20 McGraw Bldg., 1,163 between Seminole, Iroquois, Warren and Moffat Aves., $7,850, 1,165 between Holcomb, Belvidere, Charlevoix and Goethe Aves., $6,949, 1,168 between Pennsylvania, Cadillac, Waterloo and Charlevoix Sts., $6,162; Lester & Shepard, 400 Penobscot Bldg., 1,164 between Townsend, Baldwin, Canfield and Forest Aves., $6,525, 1,166 between Fisher, Crane, Canfield and Forest Aves., $6,337, 1,171 between Concord, Canton, Waterloo and Charlevoix Aves., $7,224; Otis Cement Constr. Co., 806 Hammond Bldg., 1,169 between 12th, 14th and Euclid Aves. and Virginia Park, $8,524, 1,172 between Gratiot, Elmwood, Ludden and Mack Aves., $1,723; R. A. Mercier, 746 Hudson Ave., 1,170 between John R. and Brush Sts., Englewood and Woodland Aves., $7,708, 1,173 between Grand River, Avery and Alexanderine Aves., $1,636. Noted June 24.

★**Ill., Centralia**—See "Buildings."

★**Wisconsin**—State Highway Dept., Madison, let contract building Arcadian Ave., Federal Aid Project 179, Waukesha Co., to Milwaukee Genl. Constr. Co., 857-8th Ave., Milwaukee, $268,864. Work involves 41,459 cu.yd. grading, 45,473 sq.yd. concrete (some rein.-con.) surfacing, 26,000 lb. structural steel and 23,000 bbl. cement.

★**Wis., Fond du Lac**—Fond du Lac Co. State Rd. and Bridge Com. will build 3.57 mi. Fond du Lac-Dottyville Rd., 16 ft. wide. Work involves 33,450 sq.yd. gravel surfacing, 15,131 cu.yd. earth excav., 111.4 cu.yd. concrete in culverts, etc. About $42,782. Work will be done by day labor.

★**Minn., Crookston**—Polk Co. let contract grading and graveling 13 mi. Maple Lake Rd., State Rd. 3, 24 ft. wide, to S. G. Enebek, Warren, $53,471.

★**Minn., Hastings**—Dakota Co. let contract grading and graveling 16 mi. Federal Aid Project 22, 24 ft. wide, to S. J. Groves & Son, Kasota Bldg., Minneapolis. About $196,000. Noted May 6.

★**Minn., Mankato**—Blue Earth Co. let contract grading and graveling 7 mi. Job 2,002, State Rd. 14, to Brown Bros., Kankato. About $52,000.

★**Minn., Minneapolis**—Hennepin Co. let contract grading 3.8 mi. Superior Blvd., Co. Rd. 41, State Rd. 9, involving widening roadway from 24 to 40 ft., to Hanlon & Okes, 338 Lumber Exch. About $46,000.

Minn., Moorhead—Clay Co. rejected bids May 18 and will grade 15 mi. Federal Aid Project 129, 24 ft. wide. About $75,000. Work will be done by day labor. E. Martinson, Moorhead, engr. Noted May 6.

★**Minn., St. Paul**—Ramsey Co. let contract paving 1¼ mi. Snelling Ave. and 1 mi. Stillwater cutoff, 24 ft. wide, concrete, to E. M. Ganley, Plymouth Bldg., Minneapolis, $40,993 and $41,000 respectively; 1¼ mi. Long Lake Rd., 24 ft. wide, concrete, to W. Devine, New Brighton, $40,255.

★**Minn., Walker**—Cass Co. let contract building State Route Job 2,002, 24 ft. wide, involving 80 acres clearing and grubbing, 145,000 cu.yd. excav., 11,000 cu.yd. surfacing, 8,000 yd. overhaul, and 195 cu.yd. concrete in culverts, etc., to M. W. Barnard, 1817 Irving Ave., Minneapolis, $74,800. Noted Apr. 22.

★**Minn., Walker**—Cass Co. rejected bids May 4, and will grade and gravel 8 mi. State Aid Job 2,005, 24 ft. wide. About $60,000. Work will be done by day labor. Noted Apr. 22.

★**Minn., Windon**—Cottonwood Co. let contract graveling 12 mi. Federal Aid Projects 85 and 101, 24 ft. wide, to Camer & Joyce Co., Keokuk, Ia. About $30,000.

★**Wyoming**—State Highway Dept., Cheyenne, let contracts grading and building culverts on 15 mi. section of Yellowstone Highway between Uva and Glendo, Platte Co., to Bagley Bros.; building 3 concrete bridges and one 180 ft. concrete ford, on above project, to J. F. Turpin, Wheatland, $21,500; grading, building culverts and bridges on 3 mi. section Yellowstone Highway, south of Thermopolis, Hot Springs Co., to Taggert Bros., Cowley, $180,200; building 2 sections of Sheridan-Buffalo-Casper Rd., Sheridan and Johnson Counties, to J. E. Hilton, $86,900, bridges on same, to J. F. Turpin, $62,400. Noted June 10.

★**Montana**—State Highway Comn. Helena, let contract gravel surfacing 21.72 mi. Choteau-Sun River Rd., Teton and Cascade Counties, to White, Brown and Leahy, Great Falls, $104,175; constructing road from Havre east to Hill Co. line (1st part of Roosevelt Trail to be built by state), to J. O'Conner, Chinook, $74,877. Noted May 20.

★**Mo., Clayton**—St. Louis Co. let contract paving with Telford macadam, 1.47 mi. Reaves-Barracks Rd., 14 ft. wide, to J. Steffens, Clayton, $26,518.

★**Ark., Mena**—Comrs. Polk Co. let contract building 35 mi. gravel and macadam roads, Impvt. Dists. 2 and 3, to Early & Jones, Sheridan. About $276,000. Noted May 20.

★**Col., Ft. Morgan**—City let contract constructing 59,565 sq.yd. of pavement, to Strange-Maguire Co., Utah Savings & Trust Bldg., Salt Lake City, Utah, $245,658. Noted May 20.

★**Wash., Seattle**—Bd. Pub. Wks. let contract clearing, grading, paving and building sewers, et al., in 40th Ave., N., et al., involving 2,620 sq.yd. subgrading, 1,275 lin.ft. concrete curbing, 3,500 cu.yd. clearing and grubbing, 1,275 lin.ft. 6 in. concrete paving, 1,268 lin.ft. 10 in. and 3,390 lin.ft. 12 in. sewers, to V. Ramaglia & Co., 4823 38th St., N.E., 55,247.

★**Wash., Seattle**—Comrs. King Co. let contract grading and paving 1 mi. Richmond Highlands-Richmond Beach Highway, involving 3,000 cu.yd. earth excav. and 11,000 sq.yd. concrete, to Fiorito Bros., 6022 2nd Ave., N.W., $33,250.

★**Wash., Yakima**—Comrs. Yakima Co. let contract grading and paving 1¼ mi. Inland Empire Highway, to Yakima Paving Co., Yakima, $55,750.

Cal., San Diego—Common Council received bids June 28, improving Pine, Witherby and Hortensia Sts., involving (a) paving with asphaltic wearing surface on 4 in. 1 course portland cement, concrete base, (b) cement concrete curbing, (c) additions to 3 catch basins, (d) two 6 in. 2-way fire hydrants, (e) 4 in. watermain, (f) 2 in. watermain, (g) 4 in. sewer laterals, from T. C. Breitenstein, Box 165, (a) $0.265 per sq.ft., (b) $0.70 per lin.ft., (c) $45, (d) $175, (e) $2.30 per lin.ft. (f) $0.90 per lin. ft., (g) $20; Fairchild-Gilmore-Wilton Co., 396 Pacific Electric Bldg., Los Angeles, (a) $0.27, (b) $0.70, (c) $75, (d) $220, (e) $3.30, (f) $1, (g) $30. Noted April 15.

★**Que., St. Marguerite**—City Council let contract building 3½ mi. Chemin-St. Marguerite Rd., 14 ft. wide, 7 in. concrete, to Phoenix Constr. Co., St. Nicholas Bldg., Montreal. About $100,000.

★**Ont., Toronto**—City let contract paving (a) Normandy Blvd. and Dawes Rd., (b) Keele and Linder Sts., (c) Cunningham, (d) Rhodes Ave., (e) York St. from Front to King Sts., (f) Davenport Rd., (g) York St. from King to Queen Sts., asphalt; (h) Neville Pk. Blvd., Keele St., Jones, Hatfield and Glebeholme Aves., (i) Clendenan Rd., (j) Colbeck Ave., (k) Western Ave., (l) Woodbine Ave., bitulithic; 5 ft. concrete sidewalks on (m) Adams and Bartlett Aves., (n) Beresford Ave., (o) Kingswood and Western Aves., (p) Saunders Ave. and Weston Rd.; 7 ft. walks on (q) Bingham St., (r) McMillian and Pine Sts.; 8 ft. walks on (s) Alton and Eastern Aves., 5 ft. walks on (t) Danforth Ave. and 8 ft. walks on Oakdale Ave.; paving (u) Oakdale and Logan Aves. and Crown Pk. Rd., asphalt and McLean St. wood block; (v) Rhodes Ave. brick block; (w) concrete curbing on 5 streets; to Kilmer & Barber, 10 Adelaide St., E., (a) $20,624; Constr. and Paving Co., Confederation Life Bldg., (b) $41,207; R. C. Harris Wks. Dept., Toronto (c) $5,000, (d) $20,390, (e) $16,500, (i) $39,600, (j) $32,000, (k) $10,500, (l) $27,000, (o) $2 per lin.ft., (v) $13,300, (w) $0.90 to $1 per lin.ft.; Contg. and Paving Co., Continental Life Bldg., (f) $60,000; Godson Contg. Co., Manning Chambers, (g) $22,000, (u) $40,309; Warren Bituminous Paving Co., McKinnon Bldg., (h) $96,435; Ramsay Constr. Co., 39 Indian Rd. Cres., (m) $1.75 per lin.ft., (p) $2; Angotti & Smythe, 819 St. Clarens Ave., (n) $2; W. B. Hughes, 53 Victoria Pk. Ave., (q) $2.55; A. Johnson, 35 Burgess Ave., (r) $2.65 and $2.55 respectively; Grant Contg. Co., 50 Front St., E., (s) $2.80; A. E. Jupp Constr. Co., 47 Sparkhall Ave., (t) 5 ft., $.80, 8 ft., $2.70.

Railways

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Texas**—Cotton Belt Ry., 702 Houston St., Ft. Worth, will lay 85 lb. steel tracks between Texarkana and Mt. Pleasant. About $765,000. Work will be done by day labor.

Excavation and Dredging

BIDS DESIRED

N. Y., Marcy—Drainage—Until July 21, by State Hospital Comn., Capitol, Albany, building drainage system, at Utica State Hospital, here. L. F. Pilcher, state archt.; advertised in this issue.

Ind., Rensselaer—Ditch—Until July 20, by E. D. Nesbitt, supt. of constr., Jasper Co., building J. P. Ryan et al ditch. About $243,106.

Ia., Carroll—Drainage—Until July 15, by P. Stephany, aud. Carroll Co., improving Joint D. D. 81, Carroll Co., and Joint D. D. 72, Sac Co., involving 65,450 ft. 6-44 in. tile. I. W. Hoffman, engr.

Ia., Emmetsburg—Drain—Until July 14, by W. T. Krieger, aud. Palo Alto Co., improving D. D. No. Tri Co. Jt. 1, along Des Moines River in Palo Alto, Pocahontas and Humboldt Counties, involving 670,000 cu. yd. excav.

Ia., Le Mars—Drainage—Until July 27, by Bd. Supervs. Plymouth Co., improving Highway D. D. 1. G. S. Huxtable, co. engr.; advertised in this issue.

Ia., Marengo—Ditch—Until Aug. 4, by A. H. Turner, aud. Iowa Co., building North English River. Drainage Ditch 9; advertised in this issue.

Ia., Mason City—Drainage—Until July 20, by P. Weigand, aud. Cerro Gordo Co., building Sects. 3A, 3C, 3D and Laterals 7, 8, 10, 11, 12, 15 and 16, Joint D. D. 1, Cerro Gordo, Hancock and Franklin Counties. Sect. 3A involves 71,500 ft. 6-40 in. tile, Sect. 3C, 14,850 ft. 7-22 in., and Sect. 3D, 36,250 ft. 6-34 in., etc.

Mo., Cape Girardeau—Drainage—Until July 19, by Bd. Superv. of Little River D. D. building 70,000 sq.yd. channel protection in dist. headwater diversion ch., near Nash. J. H. Himmelberger, pres. L. L. Hidinger, chief engr.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ia., Clarion**—Drain—Wright Co. let contract furnishing labor and material building Drain 194, to Berkland & Littel, Vincent.

Excavation and Dredging (Continued)

and What Cheer Clay Products Co., What Cheer; Drain 193, to E. Freplies, Iowa Falls, and Natl. Sewer Pipe Co., Webster City. Noted June 10.

★**Ia., Council Bluffs**—Ditches—Pottawattamie Co. let contract building Farm Creek Ditch and laterals, Pottawattamie and Mills Counties, involving 437,500 cu.yd. excav., to E. A. Wickham, Council Bluffs. Noted June 3.

★**Ia., Logan**—Drainage—Harrison Co. let contract improving Sects. 2, 3, 11, 14, 15, 21, 22, 23, 26, 27, 28, 34, 35, Pigeon D. D., involving 172,700 cu.yd. excav., to G. W. Condon, 415 Farnam Bldg., Omaha, Neb.

★**Ia., Nevada**—Drainage — Story Co. let contract furnishing labor and material building Indian Creek Twp. D. D. 99, involving 24,651 ft. 6-28 in. tile, to Natl. Sewer Pipe Co., Webster City, and P. K. Mathison, Nevada.

★**Ia., Onawa**—Drainage—Monona Co. let contract furnishing labor and material improving Upper Soldier River D. D. 29, to S. O. Briggs Co., 925-7 City Natl. Bank Bldg., Omaha, Neb. Noted June 3.

★**Ia., Red Oak**—Ditch—Montgomery Co. let contract building 7 mi. open ditch in D. D. 3, to S. O. Briggs Co., 925-7 City Natl. Bank Bldg., Omaha, Neb. Noted May 20.

★**Ia, Waverly**—Drainage—Bremer Co. let contract furnishing labor and material building tile main and submains on D. D. 7, to N. Debel, Tripoli. Noted June 3.

Industrial Works

PROPOSED WORK

Me., Portland—A. Goodside, Fidelity Bldg., having plans prepared by Gorgins & Clarke, archts. and engrs., 46 Portland St. for 5 story, 50 x 100 ft., brick warehouse, on Congess and Gilman Sts. About $50,000.

Me., Portland—New England Cold Storage Co., 329 Commercial St., had plans prepared by Haven & Crosby, 40 Court St., Boston, and J. Gulliver Co., 120 Exchange St., consult. engrs., for 4 story, 75 x 100 ft., brick plant. About $175,000.

N. H., Nashua—Hutchins & French, archts., 6 Beacon St., Boston, soon let contract building 1 story, brick and concrete garage, rein.-con. flooring, concrete foundation, on Main St., for Mercer Bros., 280 Main St. About $50,000.

Mass., Boston—W. F. Schrafft & Sons Corp., 160 Washington St., having plans prepared by Haven & Crosby, archts. and engrs., 40 Court St., for 3 story, 80 x 240 ft. candy plant, rein.-con., on Causeway St. About $200,000.

Mass., Cambridge—Presto-Lite Co., Inc., 30 East 42nd St., New York City, receives bids about Aug. 5, building 1 story, 25 x 100 ft., brick and steel plant, rein.-con. flooring, concrete foundation, here. About $80,000. Private plans. Noted April 8.

Mass., Cambridge—Revere Sugar Refinery, 15 Broad St., Boston, soon lets contract bulding 1 story, 90 x 200 ft., cooperage shop, rein.-con. rein.-con. flooring, concrete foundation, on 9th St., here. About $80,000. H. S. Adams, 100 Ames Bldg., Boston, engr.

Mass., Holyoke — New England Tire & Rubber Co. plans to build large brick, concrete and steel plant, on Main St., South Holyoke.

N. Y., New York—Rigaud Perfume Co., 75 Barrow St., having plans prepared by Sommerfeld & Steckler, archts. and engrs., 31 Union Sq., for 7 story, 50 x 50 ft., brick, rein.-con. and steel factory, rein.-con. flooring, concrete foundation

N. J., Asbury Park—Hill Bakery Co., North Stockton St., Trenton, plans to build bakery on Main St., here. About $150,000. J. N. Barber, 395 West State St., Trenton, pres.

N. J., Jersey City—Butler Bros., foot 1st St., plan to build addition to warehouse and office, on Bay St. Cost to exceed $200,000. Architect not selected.

Pa., Phila.—Presto-Lite Co., Inc., 30 East 42nd St., New York City, receives bids about Aug. 5, building 1 story, 25 x 100 ft., brick and steel acetylene plant, rein.-con. flooring, concrete foundation. About $80,000. Private plans. Noted April 8.

Pa., Tyrone—Stevenson Laundry Co. receives bids about July 15, building 3 story, concrete, brick and stone laundry on Bald Eagle Ave. and 12th St. About $100,000. Architect not selected.

Del., Wilmington—Wilmington Provision Co., 3rd and Orange Sts., having sketches made by C. B. Comstock, archt. and engr., 110 West 40th St., New York City, for altering and building addition to packing house, on Front St. About $100,000.

Md., Baltimore—Miller Safe Co., Fremont Ave. and Briscoe St., subsidiary of York Safe & Lock Co., York, Pa., plans to construct several 1 story, concrete and steel buildings, covering total area 322 x 725 ft., on Wilkins Ave., Catherine St. and Millington Lane; first unit to contain 60,000 sq.ft. floor space, will be ¼ size of final structure, and will cost about $350,000. Ultimate cost, $1,000,000. J. A. Dempwolf, c/o York Safe & Lock Co., York, Pa., archt.

Md., Baltimore—Steinmetz Electric Motor Car Co., Inc., has acquired newly erected plant of Reus Bros. Co., Western Maryland Railroad and Kate Ave., and plans to enlarge same and construct several others, rein.-con., brick and steel.

Va., Richmond — Baughman Stationery Co., 1322 West Broad St., having plans prepared by Carneal & Johnson, archts., Chamber of Commerce Bldg., for 2 story, 173 x 227 ft., rein.-con. factory, on Marshal and Graham Sts. About $200,000.

O., Chagrin Falls—Adams Bag Co. having plans prepared by E. McGeorge, archt. and engr., 1900 Euclid Ave., Cleveland, for 3 story, rein.-con., brick and steel extension to mill, rein.-con. flooring, concrete foundation. About $100,000.

O., Cleveland—Chandler & Price Co., 6000 Carnegie Ave., having plans prepared by H. McGeorge, archt. and engr., 1731 Northfield Ave., for 4 story, 42 x 108 ft. printing machinery factory, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Cedar Ave. About $150,000.

O., Cleveland—D. D. Wessels, 1385 East 17th St., having plans prepared by W. G. Caldwell, archt., Park Bldg., for 2 story, 100 x 110 ft., brick, steel and concrete factory, rein.-con. flooring, brick foundation, on East 21st St. and Oregon Ave. About $100,000. Noted April 22.

O., East Cleveland (Cleveland P. O.)—East Cleveland School Bd., c/o C. Amermann, having plans prepared by W. H. Nicklas, archt., 1900 Euclid Ave., Cleveland, for 1 story, 48 x 66 ft., rein.-con., steel and brick heating plant, rein.-con. flooring, concrete foundation, at Prospect School. About $75,000.

O., Lakewood (Cleveland P. O.)—Hertner Electric Co., c/o D. C. Cookingham, 1900 West 112th St., Cleveland, purchased site and plans to build 1 story, 60 x 250 ft., brick and steel factory, brick foundation, on Elmwood Ave. About $100,000. Architect not selected.

O., Massillon—Lucius Mfg. Co. plans to build new 5 or 6 story, 100 x 200 ft. factory.

Mich., Detroit—Harper Hospital, Martin Pl., soon lets contract building 84 x 106 ft. heating plant. A. Kahn, Marquette Bldg., archt.

Mich., Grand Rapids—Amer. Can Co., 120 Bway., New York City, soon lets contract building rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, on 6th St. About $1,000,000. M. M. Loony, 120 Bway., New York City, archt. and engr.

Mich., Saginaw—Pere Marquette R.R., 3rd St. Depot, plans to build 1 story, brick and steel roundhouse, concrete foundation, with fifty 110 ft. stalls. G. Tuthill, ch. engr.

Wis., Milwaukee—Amer. Metal Products Co., 671 Kinnickinnic Ave., preparing plans and soon receives bids building 1 story, 80 x 200 ft., brick and steel machine shop and foundry, concrete flooring and foundation, on Burnham St. Private plans. Noted July 1.

Wis., Milwaukee—C. Barkhausen, archt., Iron Blk., receives bids about July 16, building 3 story, 35 x 160 ft., rein.-con. and brick addition to wholesale bakery, rein.-con. flooring, concrete foundation, for Carpenter Baking Co., 102 7th St. Noted May 20.

Kan., Atchison—A. J. Harwi Hardware Co., 9th and Commercial Sts., having plans prepared by W. H. Sayler & Co., archts., Mutual Bldg., Kansas City, Mo., or 5 story, 75 x 150 ft., brick, rein.-con. and steel warehouse, rein.-con. flooring, concrete foundation. About $125,000.

Que., Montreal—Knit to Fit Mfg. Co., Ltd., St. Lawrence Blvd., soon receives bids building factory on Parthenais and Lavinere Sts. About $254,000.

Ont., Sudbury—Continental Wood Products Co., subsidiary of Continental Paper and Bag Co., Ltd., 48 Fermanagh Ave., Toronto, plans to build plant, here. About $500,000.

BIDS DESIRED

Mass., Brookline—Tuck & Gilman, archts. and engrs., 34 School St., Boston, receiving bids building 1 story, 70 x 220 ft., brick and concrete garage, rein.-con. flooring, concrete foundation, on Brainerd Rd., here, for B. Davies, Albany and Oswego Sts., Boston. About $80,000. Noted June 17.

Mass., Cambridge—Until Aug. 1, by F. F. Jonsberg, archt. and engr., 16 Central St., Boston, building 2 story, 100 x 275 ft., rein.-con. storehouse, rein.-con. flooring, concrete foundation, on Albany and Pacific Sts., here, for E. E. Gray Co., 154 Hanover St., Boston. About $250,000.

N. Y., Brooklyn—Until July 19, by Pub. Serv. Comn., 49 Lafayette St., New York City, building rein.-con. and steel storage yard, on Livonia Ave., here. About $600,000.

N. Y., Brooklyn—Until July 10, by L. Allmendinger, archt. and engr., 20 Palmetto St., building brick, rein.-con. and steel laundry, rein.-con. flooring, concrete foundation, on De Kalb Ave., for Sheldon-Foster Supply Co., c/o architect. About $200,000.

Md., Baltimore—Until July 13, by J. A. Dempwolf, archt., care of York Safe & Lock Co., York, Pa. building 1 and 2 story, 123 x 400 ft., rein.-con., and brick, factory, concrete foundation, on Wilkins Ave. and Catherine St., for Miller Safe & Lock Co., Fremont Ave. and Briscoe St. About $1,000,000. Noted July 8.

W. Va., Martinsburg—Natl. Shale Brick Co. receiving bids building clay product factory, brick. About $250,000.

O., Cleveland—Until July 15, by Pavelka Bros., East 37th St. and Bway., building 2 story, 57 x 65 ft., rein.-con., steel and brick addition to factory, rein.-con. flooring, concrete foundation. About $60,000. Anders & Reimers, Erie Bldg., archts. and egrs.

O., Cleveland—Until July 14, by Allen-Osborn Co., archts., Rose Bldg., constructing 4 story, 50 x 90 ft., rein.-con., steel and brick warehouse, rein.-con. flooring, concrete foundation, on East 69th St. and Lexington Ave., for Peoples Transfer Co., c/o L. E. Bevington, 6909 Lexington Ave. About $100,000.

Wis., Milwaukee—Scott & Mayer, archts., Colby-Abbott Bldg., receiving bids building 2 story, 60 x 112 ft. and 70 x 100 ft. varnish factory and warehouse, rein.-con. and brick, rein.-con. flooring, concrete foundation, for Patton Paint Co., 213 Lake St.

N. D., Fargo—Until July 25, by Advance Rumely Thresher Co. constructing 2 story, 125 x 250 ft. brick, concrete and steel factory and office building, rein.-con. flooring, concrete foundation. About $125,000. Noted Mar. 25.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., East Deerfield**—Boston & Maine R.R., North Sta., Boston, let contract building 1 story, 101 x 425 ft., brick and timber addition to engine house, concrete foundation, here, to H. Wales Lines Co., 134 State St., Meriden, Conn. About $150,000.

★**Conn., Bridgeport**—General Motor Serv. & Truck Co., 554 Fairfield Ave., let contract building 1 story, 110 x 120 ft., brick and rein.-con. service station, rein.-con. flooring, concrete foundation, on Holland Ave., to J. R. Sheehan, 211 State St. About $75,000.

★**Conn., Hartford**—L. White, 119 Portland St., let contract building 4 story, 52 x 175 ft., brick and rein.-con. warehouse, office, etc., rein.-con. flooring, concrete foundation, on Winthrop St., to J. H. Grozier Co., 721 Main St. About $200,000. Noted May 20.

★**N. Y., Buffalo**—Standard Oil Co., 1103 Elk St., let general contract building brick and steel boiler house, concrete flooring, at Atlas Wks., to J. W. Cowper Co., Fidelity Bldg.; 550 ton structural steel, to Kellogg Structural Steel Co., 31 Stone St. Total cost, $250,000.

★**N. Y., New York**—M. O'Dowd, Inc., c/o J. S. Maher, archt., 431 West 14th St., will build 3 story, 100 x 125 ft., brick and steel garage, rein.-con. flooring, concrete foundation, at 56 West 23rd St. About $100,000. Work will be done by day labor.

★**N. J., Newark**—McAllister Caron Co., 1001 Broad St., let contract building 2 story, 70 x 150 ft. garage and service sta-

Industrial Works (Continued)

tion, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to Homack Constr. Co., 1399 Flatbush Ave., Brooklyn. About $100,000.

★**N. J., Passaic**—Manhattan Rubber Co., Willet St., let contract building rein.-con., brick and steel addition to boiler house, rein.-con. flooring, concrete foundation, to Stone & Webster, 120 Bway., New York City. About $500,000.

★**N. J., Trenton**—Amer. Bridge Co., foot Warren St., will build two 1 story additions to steel plant, 32 x 122 ft. and 78 x 200 ft., brick and steel, on South Warren St. About $65,000. Work will be done by day labor.

★**Pa., Jeanette**—Amer. Window Glass Co., Farmers' Bank Bldg., Pittsburgh, let contract constructing 1 and 2 story, concrete, brick and steel furnace building, to Hughes-Foulkrod Co., Oliver Bldg., Pittsburgh. About $300,000.

★**Md., Baltimore** — C. Read & Co., 16 North Greene St., let contract building 4 story, 19 x 73 ft., concrete and brick warehouse, concrete foundation, to R. H. Frazier & Son, 224 West Mulberry St. About $100,000.

★**W. Va., Beechbottom** (Wellsburg P. O.) —Beachbottom Power Co. let contract building 1 and 2 story, 100 x 140 ft. locomotive repair shop, etc., brick and steel, rein.-con. flooring, to Austin Co., Union Arcade, Pittsburgh. About $80,000.

★**Ga., Atlanta**—Southern Bell Telephone Co., 78 S. Pryor St., let contract constructing 4 story, rein.-con. building, to A. D. O'Brien, New Orleans, La. About $400,000.

★**O., Canton**—Schlemmer & Graber Co., 12th St., N. E., let contract constructing 1 and 2 story, 100 x 250 ft., brick, concrete and steel garage and service building, to E. J. Landor, Renkert Bldg. About $95,000.

★**O., Cincinnati**—Amer. Can Co., 120 Bway., New York City, let contract building plant, to include one 6 story, 73 x 260 ft. and one 4 story, 60 x 1400 ft., concrete buildings, also 1 story, 90 x 97 ft. and 80 x 160 ft., brick and steel buildings, rein.-con. flooring, concrete foundations, on Spring Grove Ave. and Fergus St., to Ferro Concrete Constr. Co., Richmond and Harriet Sts. About $1,000,000. Noted April 1.

★**O., Cleveland**—Cleveland Belting & Machine Co. let contract building 1 story, 112 x 140 ft. rein.-con., steel and brick addition to factory, rein.-con. flooring, concrete foundation, on Scranton Rd., to G. W. Hoffman, 3327 Broadview Rd. Aout $100,000.

★**O., Cleveland**—Hydraulic Pressed Steel Co. let contract building 1 story, 75 x 200 ft., rein.-con., steel and brick addition to factory, rein.-con. flooring, concrete foundation, at 5704 Hydraulic Ave., to Craig-Curtis Co., 1031 Guardian Bldg. About $75,000.

★**O., Cleveland**—Mendelsohn Co., 2110 Woodland Ave., let contract remodeling 3 story, 70 x 100 ft. cigar factory, brick and steel, brick foundation, to Kravitz-Yokelson, 821 East 88th St. About $60,000.

★**O., Cleveland**—Ohio Motor Vehicle Co. let contract building 2 story, 50 x 150 f. brick and steel factory, brick foundation, on Nottingham Rd., to Campbell Constr. Co., 2227 East 83rd St. About $75,000.

★**O., Cleveland**—Superior Screw & Bolt Mfg. Co., 810 Hippodrome Bldg., let contract building 1 story, 130 x 252 ft., rein.-con., steel and brick factory, rein.-con. flooring, concrete foundation, at 3652 East 93rd St., to McMillan Co., 1918 East 66th St. About $100,000.

★**Mich., Detroit**—Standard Reamer & Tool Co., Elmwood Ave., let general contract building 1 story, 50 x 100 ft., rein.-con., brick and steel factory, concrete foundation, to J. Finn & Son, Woodward Ave.; time and material basis.

★**Ill., Centralia**—See "Buildings."

★**Wis., Milwaukee** — Heil Co., 26th and Montana Aves., let contract building 1 story, 125 x 250 ft., brick and steel assembling plant, concrete flooring and foundation, on 26th Ave., to Klug & Smith, 40 Mack Blk.

★**Wis., Milwaukee**—Milwaukee Coke & Gas Co., foot of Greenfield Ave., will build 1 story, 50 x 125 ft., brick and steel addition to boiler house, concrete flooring and foundation. About $75,000. Work will be done by day labor.

★**Tex., Ft. Worth**—Cotton Belt Ry., 702 Houston St., let contract building brick roundhouse, 12 frame bunk houses, storeroom, Robinson hoist, water, light and sewer utilities, to W. C. Hedrick Constr. Co., Southwestern Life Bldg., Dallas. About $185,000.

★**Que., Montreal**—Dominion Type Foundry, Ltd., Toronto, let contract building 4 story, 51 x 122 ft. factory, on Herminie St., to Yolles & Rotenberg, Kent Bldg., Toronto. About $135,000.

★**Que., Montreal**—Colonial Wire Mfg. Co., Sheaver St., let contract building 3 story, brick and steel factory, concrete foundation, on St. Patrick St., to Robertson Bros., Bd. Trade Bldg. About $75,000.

Buildings

PROPOSED WORK

Me., Brunswick — Church —St. John the Baptist Society having plans prepared by C. R. Greco, archt., 8 Beacon St., Boston, for 1 story brick and stone. About $100,000.

Mass., Arlington (Boston P. O.)—High School—School Com. having plans prepared by H. B. S. Prescott, archt., 12 Pearl St., Boston, for 3 story, 65 x 140 ft., brick and steel, concrete foundation, on Massachusetts Ave. About $150,000. Noted April 15.

Mass., Boston—Bank and Office—Federal Trust Co., 85 Devonshire St., soon receives bids building 10 story, 24 x 27 ft., on Water and Washington Sts. J. R. Worcester, 79 Milk St., engr. McLoughlin & Burr, 88 Tremont St., archts. Noted April 8.

Mass., Brockton—School—Bd. Educ. soon lets contract building 2 story, brick, concrete and steel addition to Franklin School, concrete foundation. About $150,000. R. P. Jackson, 145 West Elm St., archt.

Mass., Clinton—Isolation Hospital—Clinton Hospital Assn. having plans prepared by Bigelow & Wadsworth, archts., 120 Tremont St., Boston, for 2 story, brick and concrete, on Highland St.

Mass., Fall River—High School—Pub. Bldgs. Dept. plans to construct 3 story, brick, concrete and steel, in South Park section. Architect not selected.

Mass., Fall River—Hospital—E. I. Marvell, archt., 57 North Main St., soon lets contract building 3 story, 40 x 100 ft., brick and concrete, rein.-con. flooring, concrete foundation, on High Ave., for Truesdale Hospital Corp. About $100,000.

Mass., Ipswich—Memorial—Town Memorial Comn. having plans prepared by Andrews, Ratoul & Jones, archt., 50 Congress St., Boston, for 2 story, brick and steel. About $150,000. Noted April 1.

Mass., New Bedford—High School—Bd. Educ. plans to build 3 story, brick, concrete and steel addition, on County St. F. I. Cooper Corp., 33 Cornhill St., Boston, archts.

Mass., Springfield—College—Y. M. C. A. College 287 Hickory St., plans to construct college buildings to include science laboratory, gymnasium and dormitory, on campus. Architect not selected.

R. I., Providence—School—Pub. Bldg. Dept. rejected bids building 3 story, 40 x 100 ft., brick and steel, on Nelson Ave. and Jastram Ave. About $100,000. Work will be readvertised. Private plans. Noted June 24.

R. I., Providence—Theatre and Office—Bway. Theatre Corp. having plans prepared by W. R. Walker & Son, archts., 17 Custom House St., for theatre and office building. About $200,000.

Conn., Bridgeport—Club—B. P. O. E., 360 State St., having plans prepared by Davis & Dane, archts., 1024 Main St., for 3 story, brick, concrete and steel addition. About $100,000.

Conn., New Britain — Business — F. C. Walz, archt., 407 Trumbull St., Hartford, soon lets contract building 4 story, 100 x 100 ft., brick and concrete, concrete flooring and foundation, on Main St., for S. Shurberg, 55 Franklin St. About $200,000. Noted April 1.

Conn., Wallingford—Armory—State Armory Comn., Hartford, having revised plans prepared by W. P. Crabtree, archt., 272 Main St., New Britain, and soon receives bids building 1 story, 75 x 150 ft. drill shed and 3 story, 38 x 75 ft. armory, brick, concrete and steel, rein.-con. flooring, concrete foundation, on North Main St. here. About $100,000. Former bids rejected. Noted June 17.

N. Y., Arcade—School—Bd. Educ. receives bids about July 20, building brick, steel and stone, brick foundation. About $125,000. Tooker & Marsh, 101 Park Ave., New York City, archts. and engrs. Noted March 11.

N. Y., Buffalo—Laboratory—University of Buffalo, 24 High St., having plans prepared by McKim, Mead & White, archts. and engrs., 101 Park Ave., New York City, for 3 story, brick and stone, concrete foundation. About $300,000.

N. Y., Buffalo—School—Bd. Educ. rejected bids received June 25, building addition to schools on Hertel Ave. and Camden St., Park Lake Ave. and Amherst St., and Poplar and Doat Sts. J. Storer, secy. Noted June 17.

N. Y., New Dorp, S. I.—Nurses Home—Nurses Home & Seaside Hospital having plans prepared by York & Sawyer, archts. and engrs., 50 East 40th St., New York City, for brick and stone, brick foundation. About $150,000.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., having sketches made by McKenzie, Voorhies & Gmelin, archts. and engrs., 1123 Bway., for 4 story addition on top of present building, on Fox St. and West Farms Rd., also additional side structure, brick, steel and stone, concrete foundation. About $350,000.

N. Y., New York — Home — Friedman Foundation Home for Men and Women having sketches made by H. A. Jacobs, 320 5th Ave., and I. H. Friedlander, 681 5th Ave., archts., for brick and stone, brick foundation, on Grand Concourse. About $1,500,000. D. B. Friedman, 206 Bway., pres.

N. Y., New York—Hotel—J. McE. Bowman Co., c/o Warren & Wetmore, archts. and engrs., 10 East 47th St., having plans prepared for addition to Hotel Commodore, on 42nd St. About $2,000,000.

N. Y., New York—Loft—A. W. Palmo, c/o J. E. Nitchie, archt. and engr., 63 Park Row, having plans prepared for 6 story, 50 x 100 ft., brick and steel, brick foundation, at 318 West 46th St. About $150,000.

N. Y., New York—Office—J. McE. Bowman & Co., c/o Warren & Wetmore, archts. and engrs., 10 East 47th St., having plans prepared converting Hotel Manhattan, on 42nd St., into office building. About $1,000,000.

N. Y., Ossining—Prison—C. F. Rattigan, supt. state prisons, Capitol, Albany, soon receives bids building 2 story, 120 x 160 ft., brick and rein.-con., concrete foundation. About $300,000.

N. J., Jersey City—Office, etc.—See "Industrial Works."

N. J., Newark—Exchange—New York Telephone Co., 15 Dey St., New York City, having sketches made by McKenzie, Voorhies and Gmelin, archts. and engrs., 1123 Bway., New York City, for 2 story, brick, steel and stone, concrete foundation, on Avon Ave., here. About $200,000.

N. J., New Brunswick—Theatre—W. B. Wiils, Inc., archts. and engrs., 1181 Myrtle Ave., Brooklyn N. Y., preparing sketches for 1 story brick and stone, brick foundation, here. About $350,000. Owner's name withheld.

N. J., Westfield—School—Bd. Educ. rejected bids June 22, building 3 story, brick and stone, brick foundation. About $175,000. Work will be readvertised. Noted June 10.

Pa., Forty Fort (Kingston P. O.)—Housing — Community Housing Corp., Miners Bank Bldg., Wilkes-Barre, plans to build forty-seven 2 story, 40 x 50 ft., concrete and brick houses. About $250,000. Architect not selected.

Pa., Johnstown—Church—F. B. Hetrick, pastor, Dale United Evangelical Church, receives bids in August building brick and stone, rock foundation, on Bedford, Von Lunen and Fronheiser Sts. About $175,000 J. C. Fulton & Son, Uniontown, archts.

Pa., Lester—Housing—Western Electric Mfg. Co. had plans prepared by C. W. Brazer, archt. and engr., 1133 Bway., New York City, for two hundred 2 story, brick and stucco houses, brick foundation. About $1,000,000.

Pa., New Wilmington — Gymnasium — Westminster College having plans prepared by Thayer & Johnson, archts., 5716 Euclid Ave., Cleveland, O., for 3 story, 80 x 120 ft., rein.-con., brick and steel rein.-con. flooring, concrete foundation. About $150,000.

Pa., Plymouth—Comfort Station—Boro plans to build 1 story, 40 x 50 ft. marble and tile, rein.-con. flooring, rock foundation, on Main and Hanover Sts. About $100,000. Architect not selected.

Buildings (Continued)

Pa., St. Marys—Hospital—F. A. Riannard, archt., Masonic Temple, Williamsport, soon lets contract converting monastery into hospital, and building power plant, for A. Kaul Memorial Hospital here. S. Kistler, pres.

Pa., Scranton—Store—Braunsteins Cloak Co., 134 Wyoming St., having plans prepared by E. H. Davis and G. M. O. Lewis, archts., Union Natl. Bank Bldg., for 5 story, 25 x 102 ft., rein.-con., steel and limestone, rein.-con. flooring, rock foundation. About $160,000.

Pa., Wilkes-Barre—Hotel—Sterling Hotel Co., Market and River Sts., having plans prepared altering and building 6 story, 70 x 80 ft., brick and steel addition. About $100,000. Private plans.

Md., Baltimore—Church—Christ Church, 11 East Hill St., having sketches made by H. B. Upjohn, archt. and engr., 456 4th Ave., New York City, for altering and building brick and stone addition, on Paul St. About $100,000. S. A. Huston, 16 East Biddle St., pastor.

Md., Catonsville—Church and Community—Catonsville Presbyterian Church having plans prepared by W. G. Beecher, archt., Catonsville, for 1 and 2 story, 55 x 145 ft., brick and stone, rock foundation, on Frederick Rd. About $200,000. J. A. Nesbit, Wyndcrest Ave., pastor.

Md., Ilcester — Chapel, Convent and Home — All Saints Protestant Episcopal Convent having plans prepared by Mottu & White, archts., 324 North Charles St., Baltimore, for 3 story, 75 x 150 ft., stone, concrete and stone foundation. About $100,000.

Md., Sparrows Point—Hospital—Bethlehem Steel Co. having plans prepared by J. E. Sperry, archt., 409 Calvert Bldg., Baltimore, for 2 story, 48 x 140 ft., rein.-con., brick and steel, concrete foundation. About $150,000. C. L. Reeder, Park Ave. and Saratoga St., Baltimore, engr.

W. Va., Burch—High School—City voted $100,000 bonds to build high school.

Ga., Atlanta—Hotel—C. P. Byrd, c/o Byrd Printing Co., 46 W. Alabama St., having plans prepared by A. T. Browne, archt., Forsyth Bldg., for 10 story, 400 room, on Peachtree and Kimball Sts. Cost to exceed $2,000,000.

Ga., Atlanta—Office—Atlanta Cotton Exchange plans to build 10 story, on Edgewood Ave. and Equitable Pl. About $1,500,000.

Ga., Atlanta—Office and Loft—Trust Co. of Georgia, Trust Co. of Georgia Bldg., plans to build 10 story office and loft building on Edgewood Ave. About $1,000,000.

Ga., Atlanta—Office and Store—Witt Investment Co. having plans prepared by Lockwood & Poundstone, archts., Forsyth Bldg., for 3 story, 80 x 200 ft., rein.-con., brick and terra cotta, rein.-con. flooring, on Peachtree and Baker Sts. About $200,000.

Fla., St. Petersburg—Hospital—L. Willie soon receives bids building 2 and 3 story, 35 x 100 ft. F. F. Jonsberg, 16 Central St., Boston, archt. and engr.

Tenn., Nashville—Hotel and Theatre—H. L. Sheetz is back of company being formed to build hotel and theatre. Owners plan to raise $1,000,000 stock to finance project.

Ky., Louisville—Temple—Louisville Odd Fellows plan to build temple. About $300,000.

Ky., Lyndon—School—Kentucky Military Institute plans to build new school. About $100,000.

O., Canton — School — Bd. Educ. having plans prepared by Thayer & Johnson, archts., 5716 Euclid Ave., Cleveland, for 2 story, 12 room, rein.-con., steel and brick, rein.-con. flooring, concrete foundation. About $250,000. C. Lane, clk.

O., Cleveland—Commercial—W. L. Murphy, East 9th St., plans to build 4 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at 7210 Euclid Ave. About $150,000. Architect not selected.

O., Cleveland—Commercial—B. W. Reuban, c/o Superior Serv. Co., Plymouth Bldg., plans to build 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on East 105th St. About $100,000. Architect not selected.

O., Cleveland—Commercial—M. T. Wong, 719 Prospect Ave., plans to build 2 story, 60 x 150 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on East 42nd St. and Euclid Ave. About $100,000. Architect's name withheld.

O., Cleveland—Commercial and Theatre—E. Mandelbaum, Sloan Bldg., purchased site and plans to build 2 story, 110 x 200 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, on East 105th St. and St. Clair Ave. About $200,000. Private plans.

O., Cleveland—Hotel—Hotel Olmsted Co. plans to build 11 story, rein.-con., brick and steel addition, rein.-con. flooring, concrete foundation, on Prospect Ave. near East 9th St. About $600,000. D. Olmsted, Superior Ave. and East 9th St., pres. H. L. Stevens Co., 30 North Michigan Ave., Chicago, archt.

O., Cleveland—Market—S. Cowan, Society for Savings Bldg., purchased site and plans to build 1 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on East 55th St. and Haltnorth Court. About $100,000. Architect not selected.

Ind., Indianapolis—Hospital—City plans to build 4 story, 88 x 175 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on West Michigan St. About $387,000. Architect not selected.

Mich., Detroit—Schools—Bd. Educ., 50 Bway., plans following new schools and additions in its building program for 1920-21: Firnane School, Fort St. and McDougal Ave., cost $165,000; Ferry School, Ferry and Jos. Campau Aves., $305,000; High School, La Salle Blvd., site, $1,000,000; schools on Broadstreet Blvd., $165,000, Charles Ave. site, $210,000; Joy Rd. and Lawton Ave., $165,000, Lumley and McGraw Aves., $330,000, Midland Ave. and Linwood Blvd., $390,000, Nevada and Lumpkin Aves., $165,000, Nevada and Fenelon Aves., $165,000, Richmond and Cameron Aves., $600,000, Codd Athletic Field, $700,000, Selden and Greenwood Aves., $800,000, Sylvester and Seneca Aves., $900,000, Fairview and Goethe Aves., $900,000; additions to Barstow School, Larned and Riopelle Sts., $140,000, Cooper School, $330,000, Crosman School, Taylor Ave. and Hamilton Blvd., $170,000, Davison School, $195,000, Doty School, 3rd and Calvert Aves., $185,000, Estabrook School, Linwood and McGraw Aves., $140,000, George School, Russel and Superior Sts., $230,000, Greenfield Park School, $60,000, Houghton School, Abbott and Brooklyn Aves., $215,000, Hutchinson School, $245,000, Leland School, $200,000, Lincoln School, Brady and St. Antoine Sts., $140,000, Lynch School, $185,000, Majeske School, Trombly and St. Aubin Sts., $200,000, Marcy School, Sylvester and Helen Aves., $140,000, Marr School, $140,000, Marxhausen School $200,000, Miller School, $500,000, Pattengill School, $330,000, Sampson School, Hegole and Ironwood Aves., $180,000, Thirkell School, 14th Ave. and La Salle Gardens, S., $200,000, all rein.-con., brick and steel, rein.-con. flooring, concrete foundations. Malcolmson, Higginbotham & Palmer, 405 Moffat Bldg., archts.

Mich., Grand Rapids—Hotel—Pantlind Hotel Co., Monroe St., N.W., having plans prepared by Warren & Wetmore, engrs., 16 East 47th St., New York City, for brick, steel and stone addition, concrete foundation. About $500,000.

Mich., Houghton—Chemistry — Michigan College of Mines, College Ave., had plans prepared and soon receives bids building 2

BRIDGE—WAREHAM, MASS.

Bids were received by Dept. of Pub. Wks., Div. of Highways and Cohasset Narrows Bridge Comn., State House, Boston, for constructing bridge over Cohasset Narrows between here and Bourne Twps., from (A) Holbrook, Cabot & Rollins Corp., 6 Beacon St., Boston (awarded contract); (B) George M. Byrne, Boston; (C) O. W. Blakeslee & Sons, Waverly St., New Haven; (D) T. A. Scott Co., Inc., New London, $391,747. The unit bids of the lowest three bidders were as follows:

	A	B	C
5,200 cu.yd. excavation (earth)	$1 25	$2 50	$1 60
50 cu.yd. excavation (ledge)	3 00	8 00	5 00
7,500 cu.yd. borrow	1 75	2 75	1 70
900 tons broken stone	6 00	6 50	6 50
12,000 gals. bituminous material	35	35	36
100 lin.ft. pipe, 10-in. vitrified clay	2 00	1 00	2 50
3,050 lin.ft. guard rail	1 00	1 25	60
1,500 tons riprap	4 50	5 00	10 00
2 drop inlets	100 00	50 00	40 00
Bridge complete (except surfacing), (lump sum)	200,000 00	233,731 50	268,500 00
300 cu.yd. loam stripping and placing	3 00	3 00	5 00
1,700 cu.yd. filling	1 75	2 75	1 50
20 lin.ft. precast concrete curb	3 00	1 50	— 1 50
70 sq.yd. seeding	3 00	2 00	1 00
900 sq.yd. surfacing roadway	3 50	3.50	3.60
1,100 sq.yd. sidewalk surfacing	1 00	1.00	.75
Extended totals	$247,970	$299,664	$325,365

PAVING—PITTSBURGH, PA.

Bids were received by city, June 21, for grading, regrading, paving and repaving and otherwise improving 2nd Ave. from Liberty to Grant Sts., from (A) Booth & Flinn, 1942 Forbes St.; (B) J. H. McQuade & Sons Co., Bakewell Bldg.; (C) Thomas Cronin Co., South 17th and Muriel Sts. The unit bids were as follows:

	A	B	C
14,058 cu.yd. grading (excavation or embankment)	$2 00	$1.45	$2.75
16,500 sq.yd. new standard sheet asphalt pavement, 8-in. concrete foundation	5 20	5.16	4 70
1,750 sq.yd. new vitrified brick pavement, type 2, 8-in. concrete foundation	5 20	4 90	5 00
100 sq.yd. standard sheet asphalt resurfacing	5 00	5.50	4 00
20 sq.yd. old block stone pavement relaid on new concrete foundation	3 00	3.50	3 00
200 sq.yd. repaving with new standard sheet asphalt pavement	3 00	3.75	4 00
5,430 lin.ft. protected concrete curb, type 1 protection	1 30	1.45	1 50
596 lin.ft. protected concrete radius curb, type 1 protection	1 50	2.00	2 00
5 cu.yd. broken stone drain	4 00	5 00	5 00
216 sq.ft. granite crossings	2 00	1.50	1 50
960 sq.ft. granite crossings reset on new foundations	1 50	1.00	1 00
40,860 sq.ft. concrete sidewalk, type 1	25	.50	30
500 sq.ft. flagstone sidewalk relaid on new foundation	125 00	125 00	100 00
15 catch basins, all classes	125 00	35 00	75 00
14 altering and adjusting catch basins and manholes	50 00	35 00	50 00
235 lin.ft. terra cotta pipe in catch basin connections, 15 in.	4 00	4 25	6 00
4 standard storm inlets	20 00	20 00	15 00
1 cu.yd. extra concrete in pavement foundations	1 00	75	15 00
10 cu.ft. extra binder in asphalt resurfacing	100 00	100 00	100 00
1M. ft.b.m. sheeting and bracing place	125 00	95 00	75 00
20M. ft.b.m. lumber for temporary walks, etc	4 00	4 25	6 00
31 lin.ft. 15-in. T.C. pipe sewer	4 00	4 00	5 00
175 lin.ft. 12-in. T.C. pipe sewer	2 00	3 00	3 00
1,330 lin.ft. 9-in. T.C. pipe house laterals	4 00	7 50	5 00
1 cu.yd. additional sewer trench excavation	20 00	25 00	10 00
1 cu.yd. additional concrete in sewer trench	2 00	3.50	3 00
20 lin.ft. 9-in. T.C. pipe for storm inlets	.30	.50	.30
Extended totals	$148,226	$156,979	$160,075

Buildings (Continued)

story, rein.-con. and brick, rein.-con. flooring, concrete foundation. About $100,000. Herbst & Kuenzli, Caswell Blk., Milwaukee, Wis., archts.

Mich., Lansing — Memorial — Michigan Agricultural College having plans prepared by A. W. Bowd, archt., 127 West Allegan St., for 3 story, rein.-con. and brick, rein.-con. flooring, concrete foundation. About $250,000.

Ill., Evanston—Club House—Glenview Golf Club having preliminary plans prepared by Holabird & Roche ,archts., 104 South Michigan Ave., Chicago, for 1½ story, brick and timber, concrete foundation. About $200,000.

Wis., Hawkins — School — Joint School Dist. 1 of Hawkins and South Fork, plans to build 2 story, concrete, concrete flooring. Oppenheimer & Obel, Wausau, archts.

Wis., Madison—Hospital—Madison General Hospital, 925 Mound St., having plans prepared by Schmidt, Garden & Martin, archts., 104 South Michigan Ave., Chicago, for rein.-con. and brick addition, rein.-con. flooring, concrete foundation. About $350,000.

Wis., Manitowoc — Hotel — Manitowoc Hotel Realty Co., c/o H. B. Kamschulte, archt., North 8th St., having preliminary plans prepared for 8 story, 100 x 155 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation.

Wis., Milwaukee—Sales, etc.—Van Ryn & De Gelleke, archts. and engrs., Caswell Blk., soon let contract constructing 2 story, 120 x 150 ft., rein.-con. and brick sales building and garage, rein.-con. flooring, concrete foundation, on Jackson St., for F. Achen Co., 155 Oneida St. About $100,000. Noted April 1.

Wis., Waukesha—Bank and Office—Natl. Exch. Bank, 311 West Main St., having plans prepared by H. C. Haeuser, archt., Colby-Abbott Bldg., Milwaukee, for 2 story, 66 x 75 ft., concrete, brick and stone, rein.-con. flooring, concrete foundation. Cost between $75,000 and 100,000.

Ia., Lawler—High School—Bd. Educ. having plans prepared by Jacobson & Jacobson, archts., Owatonna, remodeling 2 story, 70 x 72 ft., rein.-con. and brick grade school into high school. About $100,000. F. Tustison, 335 Auditorium Bldg., Minneapolis.

Ia., Sioux City—Temple — Scottish Rite Com. having plans prepared by H. Holmes, 30 North Michigan Ave., Chicago, and Beuttler & Arnold, Grain Exch. Bldg., archts., for 150 x 210 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $1,500,000. Noted Jan. 8.

Minn., Minneapolis — School — Bd. Educ. having plans prepared by E. H. Enger, archt., c/o Bd. Educ., for Clinton grade school, 2 story, 75 x 200 ft., rein.-con. and brick, on 28th St. and 4th Ave. About $175,000.

Minn., St. Paul—Hospital—Bethesda Hospital Assn., 249 E. 9th St., having plans prepared by Magney & Tusler, archts. and engrs., 450 Builders Exch., Minneapolis, for 5 or 6 story, rein.-con., on Capitol Hill. About $800,000. A. J. Kranz, supt.

Minn., Thief River Falls — School — Bd. Educ. rejected bids received June 23, building 2 story, brick and tile. About $125,000. Project postponed indefinitely. P. O. Myhrum, clk. Sund & Dunham, 512 Essex Bldg., Minneapolis, archts.

Kan., Lincoln—School—Bd. Educ. having plans prepared by W. H. Taylor & Co., archts., Kansas City, Mo., for 2 story school, here. About $125,000. W. W. Troupe, secy.

Kan., Parsons—High School—Bd. Educ. having plans prepared by T. W. Williamson & Co., archts., 418 Central Natl. Bank Bldg., Topeka, for 2 story, 99 x 140 ft., rein.-con. and cement. About $175,000. J. B. Barnhill, secy.

Kan., Pittsburg — High School — Bd. Educ. having plans prepared by N. S. Spencer & Son, archts., 37 West Van Buren Ave., Chicago, for 3 story school. About $500,000. C. S. Risdon, secy.

Kan., Topeka—Exchange—Bell Telephone Co. having plans prepared by J. R. Timlin, archt., 668 Boatman's Bank Bldg., St. Louis, Mo., for 2 story, 60 x 109 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $140,000. Noted June 3.

S. D., Brookings—Bank and Office—Midland State Bank having plans prepared by L. F. Dow & Co., archts. 381 Jackson St., St. Paul, for 2 story, 28 x 85 ft., rein.-con., brick and Bedford rock. About $100,000.

S. D., DeSmet—High School—Bd. Educ. having plans prepared by W. L. Alban, archt., Endicott Bldg., St. Paul, for 2 story, 60 x 133 ft., brick, concrete and stone. About $100,000.

S. D., Presho—School—School Bd. having preliminary plans prepared by W. E. Hulse & Co., archts., 309 Securities Bldg., Des Moines, Ia., for 2 story, 56 x 86 ft., brick and concrete, rein.-con. flooring, concrete foundation. About $125,000.

N. D., Hankinson — High School — Bd. Educ. having plans prepared by Buechner & Orth, archts., Shubert Bldg., St. Paul, for 2 story, 65 x 130 ft., brick and rein.-con. About $135,000. Terry-Schulte Eng. Co., 484 Endicott Bldg., St. Paul, engrs.

Mont., Helena—Schools—Helena School Dist. voted $225,000 bonds to build Hawthorne school and auditorium in high school. Noted Feb. 26.

Mo., St. Louis—Hotel—Marquette Hotel Co., 18th and Washington Sts., plans to build 10 story, 150 x 150 ft., rein.-con., steel and brick, on Washington Ave. Cost to exceed $1,000,000. Architect not selected. T. P. Clancy, mgr.

Mo., St. Louis—School—Evangelical Lutheran Synod, c/o R. Jesse, Mt. Calvary Church, plans to build school. About $1,000,000. Architect not selected.

Tex., Breckenridge — Bank — Guaranty State Bank having plans prepared for 5 or 7 story, 100 x 150 ft., rein.-con. and brick, concrete foundation, on Walker St. About $250,000.

Tex., Waco—Home and School—State Bd. Control, Austin, receives bids about Aug. 1, building home and school, here, for neglected and dependent children. Plans include several cottages, heating plant, etc. About $150,000. Ross & Reed, Waco, archts.

Que., Montreal — Bank — K. Rea, archt., Beaver Hall Hill, soon receives bids building 2 story, 50 x 55 ft., concrete, brick, steel, and stone, concrete foundation, on 2nd Ave., for Bank of Montreal, St. James St.

B. C., Vancouver—Hotel—Canadian Pacific Ry., Windsor St., Montreal, Que., having plans prepared by Warren & Wetmore, archts. and engrs., 10 E. 47th St., New York City, building brick, steel and stone addition, concrete foundation, on Georgia St. About $1,500,000.

BIDS DESIRED

N. Y., Brooklyn — Nurses Home — Until July 15, by Dept. Pub. Welfare, Municipal Bldg., New York City, furnishing labor and material building and completing additions, on grounds of Kings Co. Hospital, Clarkson St. About $950,000. B. S. Coler, comr. Noted May 20.

N. Y., Far Rockaway—School—Until July 12, by C. B. J. Snyder, supt. school bldgs., Municipal Bldg., New York City, altering and building addition to P. S. 39, on southerly side of State St. between Roanoke and Cleveland Aves., here. Former bids rejected. Noted June 10.

Pa., Media—Office and Bank—Until Aug. 2, by C. W. Brazer, archt. and engr., 1133 Bway., New York City, building brick, steel and stone, for Media Title & Trust Co., 11 South St. About $300,000. Noted June 3.

Md., Baltimore—Community—Until Aug. 1, by B. Frank, archt., 328 North Charles St., building 4 story, 50 x 130 ft., concrete, steel and brick, concrete foundation, for Oheb Shalom Congregation, Eutaw Pl. and Lanvale St. About $150,000. Reliance Eng. Co., 4th Natl. Bank Bldg., Cincinnati, O., engrs. Noted May 13.

D. C., Wash.—School—Until July 14, by secy Bd. Comrs. altering and building addition to Deanwood School 153, Whittingham Pl.; advertised in this issue.

O., Warren—High School—Until July 14, by Bd. Educ., c/o J. Bookwalther, building 2 story, 120 x 150 ft., rein.con., steel and brick, rein.-con. flooring and concrete foundation. About $350,000. R. J. Keich, Western Reserve Natl. Bank Bldg., archt.

Mich., Kalamazoo — Manual Arts — Until July 15, by T. E. Johnson, secy. State Bd. Educ., constructing 2 story, 96 x 250 ft. manual arts building, rein.-con., brick and steel, rein-con. flooring, concrete foundation, on Oakland Drive, to contain woodworking shops, foundry equipment and auto mechanic shops. H. H. Turner, 923 Michigan Trust Bldg., Grand Rapids, archt.

Wis., South Milwaukee—Schools — Until July 13, by Bd. Pub. Wks., building 2 story, 75 x 90 ft, grade school concrete and brick, rein-con. flooring, concrete foundation, also 2 story, 40 x 60 ft., brick and timber addition to school in 2nd Ward. About $100,000. C. O. Chromaster, 144 Oneida St., Milwaukee, archt.

Minn., Lake Park—School—Until July 20 by Bd. Educ., building 2 story, 60 x 90 ft brick and frame. About $100,000. Sund & Dunham, 512 Essex Bldg., Minneapolis, archts. Noted May 13.

Minn., Marble—City Hall and Municipal Bldg.—Until July 19, by Bd. Village Trustees, building 2 story, 80 x 120 ft. rein.-con. brick and tile, concrete flooring. About $100,000. C. H. Parsons, 600 Builders Exch., Minneapolis, archt.

Kan., Emporia—Hospital—Until July 19 by Lyon Co. Hospital Bd., building 4 story, 40 x 150 ft., rein.-con., rein.-con. flooring. J. H. Felt & Co., 802 Grand Ave. Temple, Kansas City, Mo., archts.

S. D., Ipswitch—School—Until July 19 by Bd. Educ. building 2 story, 75 x 120 ft. About $100,000. E. M. Paulu, secy. Foss & Foss, St. Cloud, Minn., archts.

N. D., Jamestown — High School — Until Aug. 1, by N. C. Koontz, supt. Bd. Educ., building 3 story, 150 x 185 ft., brick, rein.-con., steel and tile, rein.-con. flooring, concrete foundation. About $200,000. Noted June 24.

N. D., Lankin—High School—Until July 26, by Bd. Educ. Galt School Dist. 39, building consolidated high school. K. P. Napper, clk.

N. D., Oakes—High School—Until July 20, by Bd. Educ., building 3 story, 68 x 155 ft., brick. About $250,000. T. H. Ferber, clk. Bell & Kinports, 909 Andrus Bldg., Minneapolis, archts. C. F. Tweed, 524 Metropolitan Bank Bldg., Minneapolis, engr. Noted April 1.

N. D., Oberon — School — Until Aug. 9, by School Dist. 16, building 3 story, 58 x 92 ft., brick, Bedford stone and rein.-con. About $100,000. Braseth & Rosatti, Fargo, archts.

Que., Montreal—Church—Until July 19, by St. Henry Methodist Church, building 50 x 110 ft., brick, steel and stone, concrete foundation, on St. Antoine and Convent Sts. About $100,000. Address F. Tripp, Convent St.

Que., Montreal—Theatre—Until July 15, by Century Theatre Co., Ltd., building 50 x 105 ft., rein.-con. and brick, concrete foundation, on Briand St.

Que., Pointe Aux Trembles—Church—Montreal East Presbyterian Church receiving bids building 50 x 75 ft., brick and steel, concrete foundation here. Address A. Pope, Pointe Aux Trembles.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Dorchester** — Exchange — New England Telephone & Telegraph Co., 50 Oliver St., Boston, let contract building 3 story, 116 x 200 ft., brick, concrete, tile and steel ,on Adams and Robinson Sts., here, to D. L. Shepard, 46 Cornhill St., Boston. About $700,000.

★**Mass., Lawrence**—Parish House—Grace Episcopal Church, Jackson and Gardner Sts., let contract building 2 story, 50 x 100 ft., to E. A. Peabody & Son, Lawrence. About $100,000. Noted June 24.

★**Mass., Lynn**—Store—Somes & Parsons, archts., 1 Beacon St., Boston, let contract to C. H. Cunningham & Son Co., 23 Central Ave., building 3 story, 100 x 100 ft., brick and steel, concrete foundation, on Union St., for J. Goodman, Market St. About $100,000. Noted June 10.

★**Mass., Worcester** — School — School Comm. let contract building 2 story, 50 x 91 ft., brick and concrete addition to school on Rice Sq. and 1 story, 14 x 63 ft. boiler house, concrete foundation, to Keefe Bros., 104 Woodland St. About $100,000. Noted June 3.

★**Conn., South Manchester** — Housing—Chaney Bros., Hartford Rd., let contract building sixteen 2 story, frame houses for workmen, concrete foundation, on West and Fairfield Sts., to G. Schreiber, 285 West Center St. About $125,000.

★**N. Y., New York** — Office — Phillips-Jones Co., 1150 Bway., let contract building 8 story, brick, steel and stone, concrete foundation, at 1223 Bway., to G. R. Davis, 30 East 42nd St. About $500,000.

Buildings (Continued)

★**N. Y., New York**—Office—Pitt & Scott, 60 Pearl St., let contract building 5 story, 25 x 85 ft., brick, steel and stone, concrete foundation, at 55 Front St., to G. Genovese & Son, 645 Crescent St., Long Island City. Noted June 24.

N. Y., New York—Loft—Until July 10, by M. H. Cardo, archt. and engrs., 160 West 45th St., building 4 story, brick and steel, concrete foundation, at 40-44 Bethune St., for Wilson Paper Stock Co., c/o architect. About $250,000.

★**N. Y., Richmond Hill** (Jamaica P. O.)—Church—Heyl & McClaymount, archts. and engrs., 15 West 38th St., New York City, let contract to T. L. Rubsanen, 7641-86 Drive Union Course, building 1½ story, brick and stone, brick foundation, for 1st Church of Christ Scientist, Greenwood Ave. About $110,000. Noted June 10.

★**N. Y., Watertown**—Store and Office—F. W. Woolworth, 233 Bway., New York City, let contract building 6 story, brick, steel and stone, concrete foundation, here, to C. T. Wills, 286 5th Ave., New York City. About $800,000.

★**Pa., Duquesne**—School—Bd. Educ. let contract building 2 story, 35 x 134 ft., brick and steel addition, concrete foundation, on Hill St., to Hodder Constr. Co., 817 Talbot St., Braddock. About $100,000.

★**Pa., Harrisburg**—Office—State Bd. Control let contract for excavation and building concrete, stone, brick, marble and tile foundation for 3 story, 100 x 500 ft., to S. W. Shoemaker, 1545 North 6th St. About $684,000. Noted May 20.

★**Md., Baltimore**—Church—Church of Blessed Sacrament, York Rd., near Arlington Ave., let contract building 1 story, 70 x 120 ft., stone and concrete, stone foundation, to J. J. O'Connor, Knickerbocker Bldg. About $100,000; cost plus percentage basis.

★**N. C., Wilmington**—Church—Trinity Methodist Episcopal Church let contract building brick church, to O. G. Gulby, Wilmington. About $100,000.

★**Ga., Atlanta**—Hospital—Davis & Fischer, Linder St., let contract building rein.-con., brick and tile, rein.-con. flooring, to F. T. Heiffer, Peters Bldg. About $250,000.

★**O., Cleveland**—School—Bd. Educ., East 6th St. and Rockwell Ave., let contract building 1 story, 212 x 212 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on East 92nd St. and Parkgate Ave., to Drummond-Miller Co., 4500 Euclid Ave., $637,300. Noted June 24.

★**Ill., Centralia**—Station, etc.—Illinois Central Ry., Chicago, let contract building passenger station, freight house, and power house, also paving team track, here, to J. E. Nelson & Sons, 3240 South Michigan Blvd., Chicago. About $400,000.

★**Ill., Oak Park**—High School—Bd. Educ. let general contract building 3 story, 143 x 166 ft. addition to high school, on Ontario St. and East Ave., also 1 story boiler room, rein.-con. and brick, rein.-con. flooring, concrete foundations, to Gary & McClintock, 1020 North Blvd. About $200,000.

★**Wis., Kenosha**—Theatre—C. Pacini, 256 Main St., let contract building 2 story, rein.-con. and brick, rein.-con. flooring, to G. Linderman, 237 Lake Ave. About $100,000.

★**Ia., Sioux City**—High School—Bd. Educ. let contract building West Junior High School, 3 story, rein.-con., brick and steel, to Guarantee Constr. Co., Sioux City, $212,856. Noted April 22.

★**Ia., Sioux City**—Hotel—Howard Hotel Co., 302 Nebraska St., let contract remodeling 2 story, 50 x 150 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, to G. Parks Constr. Co., **Omaha**, Neb. About $125,000; cost plus percentage basis.

★**Kan., Great Bend**—Hospital—Sisters of St. Dominic let contract building 3 story, 50 x 150 ft., concrete and steel, rein.-con. flooring, to T. C. Cork, Great Bend. About $150,000. Noted June 10.

★**Kan., Hiawatha**—Auditorium—City let contract building 2 story, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, to Sanneman Bros. Constr. Co., Clay Center, $119,843. Noted June 24.

★**Kan., Parsons**—School—Bd. Educ. let contract building 2 story, 40 x 190 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, to Widmer & Price, Parsons, $172,219. Noted June 24.

★**N. M., Las Vegas**—College—Bd. Regents, New Mexico Normal University, 820 Main Ave., let contract constructing 2 buildings at university, here, to W. G. Rupp, 301 East Topeka St., Trinidad, Col., $148,750. Noted Nov. 20.

★**Wash., Spokane**—Home—Salvation Army, 1418 North Adams St., let contract building 3 story, 50 x 142 ft., steel and concrete, concrete foundation, to F. Phair, 416 2nd Ave. About $120,000.

★**Ont., Leamington**—School—Bd. Educ. let general contract building 2 story, 8 room, concrete, brick and steel, rein.-con. flooring, concrete foundation, to J. Burroughs, Windsor. Total cost, $125,000.

Federal Government Work

PROPOSED WORK

Order 166—Bureau Yards & Docks, Navy Dept., Wash., D. C.—It is directed that hereafter no estimated cost to be given or published on prospective projects, either prior to or during period of advertisement.

Mo., St. Louis—Bridge, etc.—U. S. Engr. Office, Custom-house, soon receives bids furnishing and erecting all steel traveling bridge, 500 ft. long, 70 ft. high above top of rail.

BIDS DESIRED

Mass., Fall River—Remodeling Post Office and Customhouse—Until July 28, by Treas. Dept., Wash., D. C., remodeling, here. J. A. Wetmore, superv. archt.; advertised in this issue.

N. Y., Brooklyn—Kitchen and Commissary Equipment—Spec. 4177—Until July 14, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing at Naval Hospital, here; $10 deposit required for plans and spec. Noted April 29.

D. C., Wash.—Sewers—Until July 21, by Dist. Comrs., Dist. Bldg., laying 2,750 lin. ft. 4 ft. 6 in. x 5 ft. 6 in. brick and concrete sewer pipe; advertised in this issue.

D. C., Wash.—Superstructure—Until July 30, by Dist. Comrs., 509 Dist. Bldg., constructing superstructure of Rock Creek Pumping Sta.; advertised in this issue.

Va., Cape Charles—Wharf, Bulkhead, etc. Until July 12, by Treas. Dept., Wash., D. C., building wharf, bulkhead, breakwater and dredged channel for U. S. Quarantine Sta. Craney Island, here. J. A. Wetmore, superv. archt.

Tenn., Chattanooga—Extending Workroom—Until July 28, by Treas. Dept., Wash., D. C., extending workroom, at U. S. Post Office and Courthouse, here. J. A. Wetmore, superv. archt.

Tenn., Memphis—Portland Cement—Until July 15, by Mississippi River Comn., 1st and 2nd Dists., Customhous, furnished and delivering 40,000 sacks portland cement; advertised in this issue.

Mich., Battle Creek—Remodeling Post Office—Until July 30, by Treas. Dept., Wash., D. C., remodeling here. J. A. Wetmore, superv. archt.

Tex., Galveston—Surface Drainage System, etc.—Until July 27, by Treas. Dept., Wash., D. C., for new surface drainage system, new spray apron, repairing riprap, etc., at U. S. Quarantine Sta., here. J. A. Wetmore, superv. archt.; advertised in this issue.

Idaho—Road Work—Until July 14, by Bur. Pub. Rds., Ogden, Utah, furnishing labor and material gravel surfacing 6.6 mi. Montpelier-Afton Rd., Caribou Natl. Forest, involving 2,100 cu.yd. rock and 32,000 cu.yd. common excav., etc. B. J. Finch, ch. engr.

Utah, Ogden—Railroad—Until July 21, at office of Constr. Quartermaster, Hudson Bldg., constructing 10 mi., at Ogden Arsenal; advertised in this issue.

Ore., Astoria—Remodeling Customhouse and Post Office—Until July 29 by Treas. Dept., Wash., D. C., remodeling, here. J. A. Wetmore superv. archt.

Cal., Colusa—Excavating Canal—Until July 14, by U. S. Recl. Dist. 2047, excavating canal and building structures involving 3,500,000 cu.yd. excav. and 12,000 cu.yd. rein.-con., in Yolo, Colusa and Glenn Counties. J. F. Watt, secy.

Cuba, Guantanamo—Pier—Spec. 4165—Until July 21, by Bureau Yards & Docks, Navy Dept., Wash., D. C. building 50 x 260 ft. rein.-con. at Naval Sta., here; advertised in this issue.

H. T., Pearl Harbor—Temporary Storehouse—Spec. 4229—Until Aug. 11, by Bureau Yards & Docks, Navy Dept., Wash., D. C., Pub. Wks. Office, Navy Yard, Mare Island, Cal. and Pub. Wks. Office, Naval Sta., Pearl Harbor, building here; advertised in this issue. Noted June 17.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Dredging—U. S. Engr. Office, Custom House, let contract dredging in Malden River, to Mars-Gerrish Dredging Co., Boston, $132,798. Noted May 13.

★**R. I., Newport**—Repairs and Alterations to Buildings—Spec. 4246—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract repairing and altering, at Naval Training Sta. here, to T. E. Keeler, Waits Wharf, $16,239 (45 days).

★**R. I., Newport**—Repairs and Alterations to Plumbing and Heating Systems—Spec. 4245—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract repairing and altering in certain buildings at Naval Training Sta., here, to T. B. Connolly, 339 Thames St., $56,400 (90 days).

★**Conn., New London**—Fresh Water Line—Spec. 4244 Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract laying at Submarine Base, here, to N. Benoveniti & Sons, 76 Goshen St., $9,867. Noted July 1

★**N. J., Cape May**—Repairing and Building Additions to Power Plant—Spec. 4235—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract, to G. S. Curtis, 324 Delaware Ave., $3,553 (75 days). Noted July 1.

★**Pa., Pittsburgh**—Steel Lock Gates—U. S. Engr. Office, 2111 Farmers Bank Bldg., let contract furnishing and delivering for Lock 6, Monongahela River, to Independent Bridge Co., May Bldg., $34,454. Noted June 24.

★**Md., Indian Head**—Monorail Hoists, etc.—Spec. 4158—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract for 2 monorail hoists and track equipment for Naval Proving Ground and power factory, to Shepard Electric Hoist Co., 1406 Lexington Bldg., Baltimore, $15,600 (225 days). Noted June 3.

★**D. C., Wash.**—Alterations and Additions to Laboratory—Spec. 4182—Bureau Yards & Docks, Navy Dept., let contract altering and building additions to aeronautical engine testing laboratory, at Bldg. 146, Navy Yard, to Hyde & Baxter, 711 13th St. N. W., $14,990 (140 days). Noted July 1.

★**D. C., Wash.**—Dragline Excavators—Recl. Surv. let contract furnishing 1 dragline excavator Type "B," to F. C. Austin Mchy. Co., 80 East Jackson Blvd., Chicago, $7,850; 6 Type "B" and 1 Type "A," to Pawling & Harnischfeger Co., 38th St. and National Ave., Milwaukee, Wis., $65,500 and $16,750 respectively; 2 Type "A," to Bucyrus Co., South Milwaukee, $36,335; 7 lighting sets for Type "B" and 3 for Type "A" draglines, to Brandt Ranch Lighting & Appliance Co., 1525 16th St., Denver, $3,950. Authority was granted to purchase 10 digging and 10 cleaning buckets, cost $9,831.

★**D. C., Wash.**—Standard Gauge Flat Cars—U. S. Engr. Office, War Dept., let contract, to Amer. Car & Fdry Co., 370 Babcock St., Buffalo, N. Y., $49,000.

★**S. C., Charleston**—Road Work—Spec. 4237—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract grading, draining and resurfacing roads with concrete, to W. T. Hadlow, 15 Baldwin Bldg., Jacksonville, Fla., $26,320 (150 days). Noted June 24.

★**Fla., Pensacola**—Dirigible Hangars—Spec. 4172—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract for additional permanent construction, at Naval Air Sta., here, to C. H. Turner, 17½ Palafox St., $41,307 (130 days). Noted July 1.

★**Cal., San Diego**—Bakery Equipment—Spec. 4192—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract furnishing and installing, here, to R. S. Steen, Los Angeles, $16,700 (120 days). Noted June 10.

★**Cal., San Diego**—Laundry Equipment—Spec. 4191—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract furnishing and installing in industrial buildings, at Marine Corps Base, here, to T. Haverty Co., San Diego, $18,290 (150 days). Noted May 27.

Cal., San Diego—Paving—Pub. Wks. Office, Ft. Rosencrans, received lowest 3 bids June 21, paving 176,000 sq.ft. highway, 20 ft. wide, with 6 in. concrete and 3 ft. shoulders, from D. H. Ryan, San Diego, $66,712; Fairchild-Gilmore-Wilton Co., 25-14 St., $67,955; F. V. McPeak, 2415 Grammercy Park, Los Angeles, $76,225.

Miscellaneous

PROPOSED WORK

Underground Heating Mains,—Macy, N. Y.—State Hospital Comn., Capitol, Albany, soon receives bids building 1¼-12 in. underground steam mains, etc. at Utica State Hospital, here. About $600,000.

Sewer Bricks—New York, N. Y.—H. H. Curran, pres. Manhattan Boro., received no bids June 18, furnishing and delivering 75,000 sewer bricks. About $450,000. Work will be readvertised. Noted June 10.

Stokers, Tunnel, etc.—Detroit, Mich.—City plans to improve heating plant at Municipal Courts Bldg. Plans include the purchase and installation of automatic stokers for present boilers, moving 2 boilers from present location and reinstalling same, building tunnel and 300 ft. steam lines to Receiving Hospital. About $25,000, Esselyn, Murphy & Hanford, Marquette Bldg., engrs. J. Scott & Co., Dime Bank Bldg., archts.

Dam—Grand Rapids, Mich.—Eastside Water Power Co. having plans prepared by Burd & Griffels, engrs., Kelsey Bldg., reconstructing dam and canal headgates on Grand River. About $40,000.

Dam—Maple Ridge, Mich.—Alpena Power Co., Alpena, petitioned Bd. Supervs. for permission to build concrete dam across Thunder Bay River, 36 ft. high with sluice way for logs, in Maple Ridge Twp. Private plans.

Subways and Viaducts—East St. Louis, Ill.—City having preliminary plans made for subways and viaducts, to eliminate grade crossings. E. J. Harper, city engr.

Pump, Motors, etc.—Farmington, Minn.—City plans to purchase 500 gal. duplex or triplex pump, motor, etc., to be used in concrete pump pit. About $10,000. J. P. Druar, Globe Bldg., St. Paul, engr.

Tank and Pump—North Branch, Minn.—See "Sewers."

Harbor Improvements—Long Beach, Cal.—City plans election to vote on $980,000 bonds to dredge, build bulkheads and repair wharf. H. de Ruiz, city engr.

Pipe and Pumps—Stamford, Ont.—See "Waterworks."

BIDS DESIRED

Dam—Inlet, N. Y.—Until July 29, by State Conservation Comn., DeGraaf Bldg., Albany, furnishing labor and material building rein.-con. dam, to replace one at Sixth Lake here. W. S. Carpenter, secy.; advertised in this issue.

Road Materials—New York, N. Y.—Until July 13, by Bd. Purchase, Municipal Bldg., furnishing and delivering wood paving blocks, sand, cement, broken stone, to Dept. Plants & Structures.

Truck—St. George, S. I., N. Y.—Until July 12, by C. D. Van Name, pres. Richmond Boro., furnishing and delivering one 5 ton automobile truck and 55,000 gal. bituminous material.

Gate Boxes, Covers, etc.—Jersey City, N. J.—Until July 13, by Bd. City Comrs., furnishing and delivering 15 ton water gate boxes and covers, and 15 ton sewer manhole frames and covers.

Steam Pump—Trenton, N. J.—Until July 23, by Bd. Comrs., for sale of 10,000,000 gal., triple expansion, vertical type, E. P. Allis steam pump, which has become too small for city. L. D. Hirsch, clk.; advertised in this issue.

Stone Crusher and Road Roller—St. Clairsville, O.—Trustees Pease Twp. receiving bids for combined stone crusher and road roller.

Conduits, etc.—Detroit, Mich.—Until July 20, by Pub. Lighting Comn., 56 Atwater St., E., building conduits, manholes, handholes and lamp post foundations on various streets. Noted April 8.

Truck—Fond du Lac, Wis.—Until July 15, by A. Hunter, city clk., furnishing 1 ton truck.

Hydraulic Jacks—Minneapolis, Minn.—Frankman Bros. Bridge & Constr. Co., 911 Metropolitan Life Bldg., receiving bids for two 100-125 ton hydraulic jacks. About $800.

Road Grader—Mott, N. D.—Until July 15, by E. C. Roberts, aud. Hettinger Co., for 7,000 lb. road grader with 12 ft. cutting edge.

Sand Blast Machine—St. Louis, Mo.—Missouri Pacific R.R. Co., Ry. Exch. Bldg., receiving bids for 1 sand blast machine for cleaning steel work. C. A. Howe, purch. agt.

Dam—Summer Lake, Ore.—Until July 13, by Secretary Summer Lake Irrigation Dist. furnishing labor and material for dam on Anna River, involving 11,300 cu.yd. miscellaneous excav., 56,600 cu.yd. embankment, 290 cu.yd. rein.-con., 115 cu.yd. rubble masonry and 3,700 sq.yd. rock paving. Baar & Cunningham, Spalding Bldg., Portland, engrs.

Foundation—Ottawa Ont.—Until July 15, by Bd. Control, ex. and building foundation for 6 story hospital, on Carling Ave., involving 10,000 cu.yd. excav., 2,200 cu.yd. concrete and 1,500 sq.yd. water-proofing. About $200,000. A. F. Macallum, city engr.

60

Road Contracts let per week

TRUCKS will have easier going and fewer breakdowns if road-work continues to go forward at its present speed of about 60 *contracts let per week*, valued at six or seven million dollars.

In the week ending July 1, contracts for 64 street and road jobs were awarded aggregating $6,723,000; while in the seven days prior to June 3—one month earlier—57 contracts were placed worth a total of $6,932,000 (including a million dollar, 11-mile highway in Florida).

Bids

are wanted

This week on page 17 we are calling attention to 63 road projects on which bids are wanted. Are you going after some of this work?

Road Roller and Graders, etc.—St. Thomas, Ont.—Elgin Co. receiving bids for road rollers, graders, scrapers, etc. About $20,000. F. Pineo, Court House, road [illegible]

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Bowl—New Haven, Conn.—Yale University let contract completing upper portion of bowl, to Sperry Eng. Co., 82 Church St. About $250,000. Noted June 10.

Broken Stone and Trap Rock—Brooklyn, N. Y.—E. Riegelmann, boro. pres., received bids June 30, furnishing and delivering 7,300 cu.yd. 2½ in. broken stone and 2,700 cu.yd. trap rock, from New York Trap Rock Corp., 17 Battery Pl., New York City, $37,000; J. J. Guinan, 2314 Gravesend Ave., $39,000; J. Jennings, Belle Harbor, $40,000. Noted June 24 under "Streets and Roads."

★Freight Shed and Pier—New York, N. Y.—M. Hulbert, comr. docks, Pier "A," foot of Battery Pl., North River, let contract building at foot of East 20th St., East River, to Associated Contractors, 17 West 42nd St., $183,950. Noted June 17.

★Transformer Station—New York, N. Y.—New York Edison Co., Irving Pl. and 15th St., let contract building brick and steel, rein.-con. flooring, concrete foundation, on 73d St., to Kenn-Well Contg. Co., 841 Bway. About $150,000. Noted June 3.

★Wood Paving Blocks—New York, N. Y.—H. H. Curran, pres. Manhattan Boro., let contract furnishing and delivering 200,000 wood paving blocks, to Amer. Creosoting Co., 17 Battery Pl. $13,556. Noted June 10.

★Oil Tanks—Baltimore, Md.—Prudential Oil Co., Inc., 3rd St. and 4th Ave., let contract erecting 12 steel oil tanks, one, 102 x 106 ft., seven, 25 x 30 ft., two, 30 x 40 ft., and two, 35 x 60 ft., to Bartlett, Hayward Co., Scott and McHenry Sts. About $143,000.

★Street Material—Nashville, Tenn.—City let contract furnishing 2,400 bbl. portland cement, to T. L. Herbert & Sons, 173 3rd Ave. N., $4.12 per bbl., 8,000 gal. asphaltic cement, to J. E. Fox, $43.53 per ton.

Sulphate and Aluminum—Akron, O.—City received bid June 17, furnishing 645 tons sulphate and aluminum to Bureau of Water Serv. and Water Supply, Dept. Pub. Serv., from Genl. Chemical Co., 112 West Adams St., Chicago, Ill., at $40 per ton.

★Sluice Gates—Cleveland, O.—City let contract furnishing 23 hydraulic operated sluice gates for easterly and westerly sewage treatment plants, to Coffin Valve Co., Wade Bldg., $34,140. Noted June 17.

Water Pipe—Detroit, Mich.—City received bids June 15, furnishing (a) 1,000 ton 24 in. Class "C" c.i. water pipe, (b) 2,000 ton 16 in. Class "C" and (c) 4,000 ton 8 in. Class "B", from United States Cast Iron Pipe & Fdry Co., 122 South Michigan Ave., Chicago, (a) $75.85 per net ton, (b) $76.85, (c) $76.85; Glamorgan Pipe & Fdry Co., 209 South La Salle St., (a) $76.90, (b) $76.90, (c) $76.90; Camden Iron Wks., Line St. and Coopers Creek, (a) $76.80; Amer. Cast Iron Pipe Co., 38 South Dearborn St., Chicago, (a) $75.60, (b)76.60, (c) $76.60 Lynchburg Fdry. Co., Peoples Natl. Bank Bldg., Lynchburg, Va., 3,000 ton divided proportionately in tonnage as to sizes, (a) $75.50, (b) $76.50, (c)$76.50; R. D. Wood & Co., 400 Chestnut St., Phila., 100 lengths 24 in. Class "B" weighing 2,800 lb., $74 per net ton, 100 lengths 16 in. Class "B," 1,500 lb., $74, 1,500 lengths 8 in. Class "B," 570 lb., $74, $6.60 per net ton freight. Noted June 10.

★Foundation—St. Cloud, Minn.—Stearns Co. let contract for excavation and building foundation for courthouse, to E. Hirt, St. Cloud. About $40,000. Noted March 4 under "Buildings."

★Ornamental Lighting System—St. Paul, Minn.—City let contract building ornamental lighting system on University Ave., to Electric Constr. Co., 174 6th St., Minneapolis. About $109,000. Noted Apr. 15.

★Gravel, Sand and Stone—Cleburne, Tex.—Johnson Co. let contracts stripping pit and loading 300,000 ton road gravel at Johnson Co. Pit, also unloading 350,000 ton gravel, sand and stone from cars into storage or vehicles, to O'Connor & Gilkison, 1st State Bank Bldg., Dallas, $60,000 and $87,500, respectively.